

Path to STEM Success Intersession 2023 Feedback Survey Report

Purpose & methodology:

The Path to STEM Success Intersession 2023 Feedback survey was conducted in January 2023 to collect attendee feedback regarding the Intersession events held Monday January 23rd (Day 1) and Tuesday January 24th (Day 2). Path to STEM Success Intersession attendees were provided a QR code to the feedback survey during the end of the event on January 24th. Additionally, attendees were invited to participate in the survey via e-mail. The e-mail list was provided by event runners based off of an RSVP list and attendance data. There were 57 unique event attendees, and a total of 31 attendees responded to the survey. Student demographic data not provided in the survey was collected from the Institutional Research Database (IRD).

Demographic data summary:

- Of the 57 event attendees, there were 21 White (37%), 20 Latinx (35%), 6 Asian (11%), 4 Filipino (7%), 3 African American/Black (5%) and 2 multiethnic (4%) attendees. The ethnicity of 1 attendee (2%) is unknown.
 - Of the 25 respondents who answered the ethnicity/race question, 12 (48%) were Latinx. There were 10 White (40%) and 4 Filipino (16%) respondents. There were one (4%) Indigenous American/Alaska Native, Asian, and Middle Eastern respondents.
- Of the 57 event attendees, most (49%) were male. There were 23 female (40%) and 2 non-binary (4%) attendees. The gender of 4 attendees (7%) is unknown.
 - Of the 25 respondents who answered the gender question, most (44%) were women. There were 9 (36%) male respondents.
- Of the 57 event attendees, most (51%) were 18 to 24 years old.
 - Of the 25 respondents who answered the age question, most (48%) were 18 to 24 years old.
- Most (50%) students learned about the event through e-mail or instructors/faculty/staff, and most (65%) believe that e-mail is the best way of informing students of activities like Path to STEM Success.

Attendance and event feedback summary:

- On Day 1, there were 39 attendees, and on Day 2, there were 32 attendees. There were 57 unique attendees overall.
 - Of the 31 survey respondents, 19 (61%) reported that they attended Day 1, and 22 (71%) reported that they attended Day 2

- The higher response rate of Day 2 participants may reflect the fact that a QR code was provided during the end of Day 2
- Most (83%) respondents found the STEM counseling general information session quite or extremely helpful. Other activities respondents found quite or extremely helpful were the industry/internship opportunities panel (76%).
- Most (59%) respondents did not participate in an academic activity (updating major/academic plan, registering for classes, making an appointment to meet with an academic advisor).
 - Of the 8 respondents who did participate in an academic activity, 4 updated their major or academic plan, 2 registered for classes, and 2 made an appointment to meet with an academic advisor.
- For Study Jams, most respondents attended chemistry (57%) and math (48%). Some attended biology (19%) and physics (14%).
- A majority (90%) of respondents liked that Study Jams were run by their professors. Most (86%) of respondents agreed or strongly agreed that they found Study Jams helpful for preparing and studying for their courses, and that they would like Study Jams to happen often during the semester.
- Almost all (97%) of respondents are either likely or very likely to recommend the intersession Path to STEM Success activities to a friend/peer/classmate.
- There were 20 respondents who shared the most valuable aspect of their experience:
 - Seven (35%) respondents mentioned the industry/internship panels and networking opportunities
 - Seven (35%) respondents mentioned the support from STEM faculty/staff and sense of community
 - Seven (35%) respondents mentioned Study Jams and other preparations for the upcoming semester
 - Two (10%) respondents mentioned academic career guidance
- There were 16 respondents who shared suggestions for improvement:
 - Five (31%) were satisfied with the event
 - Three (19%) mentioned different events and scheduling changes
 - Three (19%) mentioned more or longer counseling sessions
 - Two (13%) mentioned increasing sense of community
 - Two (13%) mentioned better explanation of event activities
 - One (6%) mentioned involving more instructors/faculty for Study Jams

Q7. What was the most valuable aspect of your Path to STEM Success experience?

| Open-Ended Response | Industry/ internship panels and networking | Support from STEM faculty/staff, sense of community | Academic career guidance | Study Jams/Prep for upcoming semester |
|--|---|---|--------------------------------|---|
| I think the most valuable aspect of my experience at the Path to STEM Success was the interactions with people in STEM research industries. The panel was especially helpful, as hearing about the different paths other, more established people have taken was quite insightful. | X | | | |
| That patience I was treated with as an older student just returning from service. | | X | | |
| the industry panel was very valuable. | X | | | |
| The internship panel | X | | | |
| Getting clarification on how to keep track of what lower division coursework needs to be completed in order to transfer (UC only). | | | X | |
| Lovely connections and confidence in my major | | X | | |
| Learning from industry leaders about what they look for in a candidate for a job | X | | | |
| Learning from the panel and from what Pável told us about internship opportunities | X | | | |
| Academic counselor discussing aspects of transferring and graduation requirements. I also learned more about the internship opportunities. | | | X | |
| Meeting my professor and being able to prepare for the upcoming semester | | X | | X |
| Being around a group of like minded people for STEM, created an excitement and motivation for academia. | | | | X |
| Networking | X | | | |
| I liked that the instructor was very inclusive and always made sure each one of us understood the topic. | | X | | |
| The patience of the professor | | X | | |
| The studying to prepare for the new semester. | | | | X |
| Learning the material before hand was very nice, I feel like I got a head start. | | | | X |
| It was very interactive | | X | | |
| The most helpful was the general counseling, internship opportunities and the study jams. | X | | | X |
| Study jams | | | | X |
| Learning from actual professors and beating able to get a good refresher on topics I did not really recall . | | X | | X |
| Total | 7 | 7 | 2 | 7 |

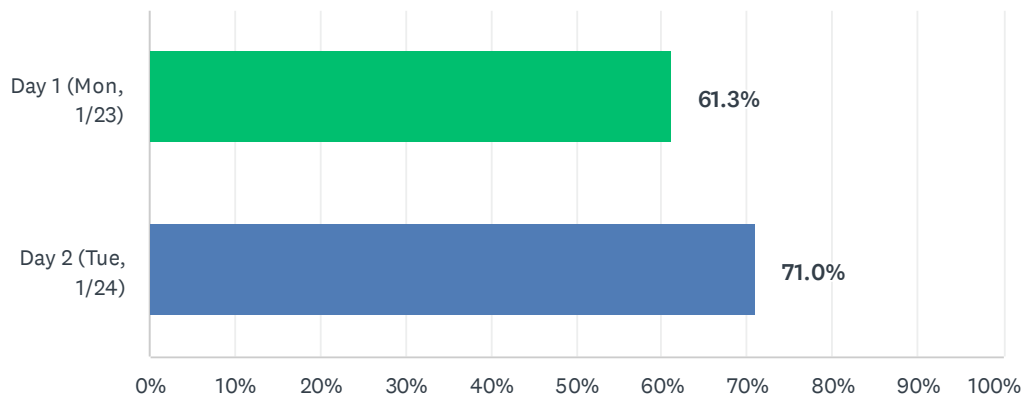
Q8. What suggestions do you have for improving the Path to STEM Success experience?

| Open-Ended Response | None /Satisfied | Improve sense of community | Different event/ scheduling suggestions | Longer/ more counseling sessions | Needed more explanation | More faculty involvement |
|---|-----------------|----------------------------|---|----------------------------------|-------------------------|--------------------------|
| I was quite happy with my experience at the event, so I don't have any major suggestions for improvements. | X | | | | | |
| Including some sort of ice breaker during the mixer. Also having a more diverse industry panel. | | X | | | | |
| Better content, more specific offering of resources, bring in employers for a hiring fair | | | X | | | |
| A longer session for transfer information would be helpful. | | | | X | | |
| I found the schedule sheet to be really confusing. Maybe just my brain thou! | | | | | X | |
| It was very well organized and enjoyable | X | | | | | |
| More specific counseling advice for individuals instead of a very general lecture. | | | | X | | |
| The student meet and greet could be more organized. For example, maybe have students greet person to the left and right, to open up student conversation. Set aside a time for all participating professors to introduce themselves and a little bit about their educational journey. Listening to everyone speak about their past experiences in academia was extremely inspiring. | | X | | | | |
| More time for counseling | | | | X | | |
| I enjoyed the hand outs for chemistry they were very helpful, proactive problems were given which were also helpful ! The timing was good very easy going environment. | X | | | | | |
| Having more professors participate to level out the ratio from student to teacher | | | | | | X |
| Allow it to be a little later for students who have late classes . | | | X | | | |
| Maybe beforehand explain the event more. | | | | | X | |
| Probably shortening the industry panel. | | | X | | | |
| N/A | X | | | | | |

| | | | | | | |
|---|----------|----------|----------|----------|----------|----------|
| I thought this session was really good , the professor was very helpful and well prepared. Timing was good, and structure was good! | X | | | | | |
| Total | 5 | 2 | 3 | 3 | 2 | 1 |

Q1 Select the dates that you attended Path to STEM Success: Check all that apply.

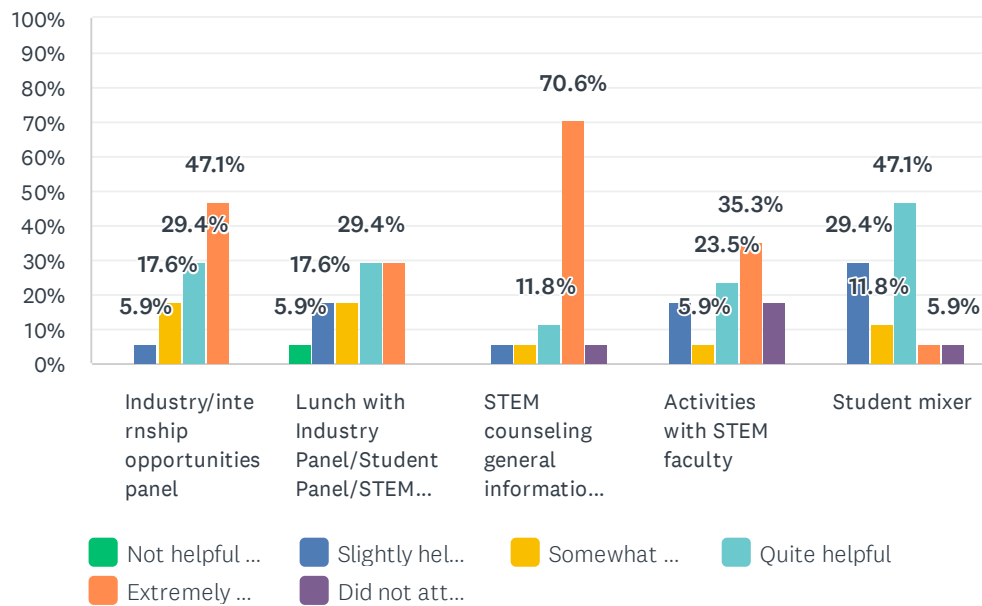
Answered: 31 Skipped: 0



| ANSWER CHOICES | RESPONSES | |
|-----------------------|-----------|----|
| Day 1 (Mon, 1/23) | 61.3% | 19 |
| Day 2 (Tue, 1/24) | 71.0% | 22 |
| Total Respondents: 31 | | |

Q2 How helpful were the following activities?

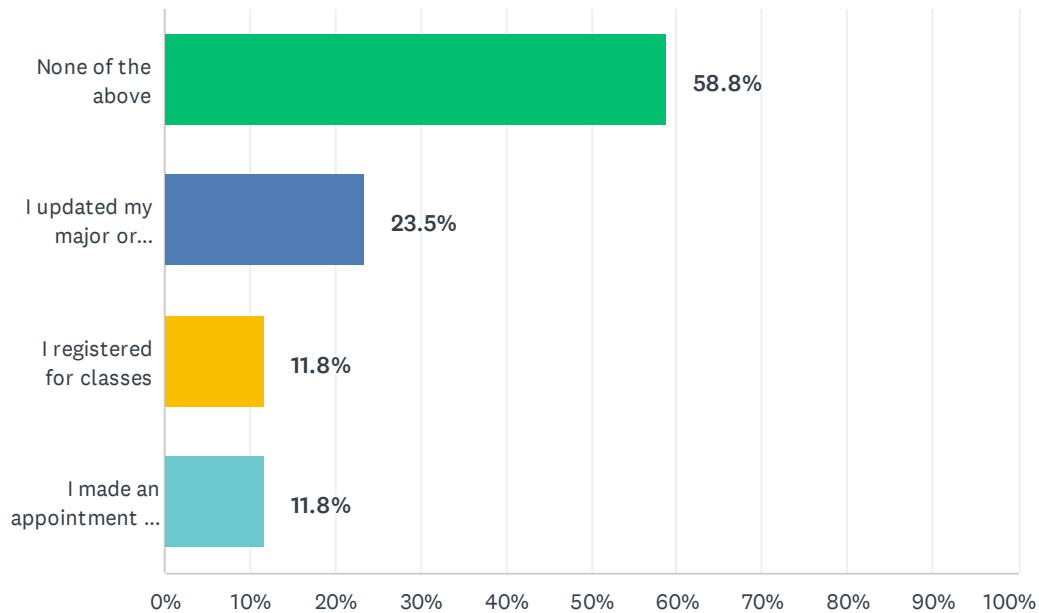
Answered: 17 Skipped: 14



| | NOT HELPFUL AT ALL | SLIGHTLY HELPFUL | SOMEWHAT HELPFUL | QUITE HELPFUL | EXTREMELY HELPFUL | DID NOT ATTEND | TOTAL | WEIGHTED AVERAGE |
|--|--------------------|------------------|------------------|---------------|-------------------|----------------|-------|------------------|
| Industry/internship opportunities panel | 0.0% 0 | 5.9% 1 | 17.6% 3 | 29.4% 5 | 47.1% 8 | 0.0% 0 | 17 | 4.18 |
| Lunch with Industry Panel/Student Panel/STEM faculty | 5.9% 1 | 17.6% 3 | 17.6% 3 | 29.4% 5 | 29.4% 5 | 0.0% 0 | 17 | 3.59 |
| STEM counseling general information session | 0.0% 0 | 5.9% 1 | 5.9% 1 | 11.8% 2 | 70.6% 12 | 5.9% 1 | 17 | 4.56 |
| Activities with STEM faculty | 0.0% 0 | 17.6% 3 | 5.9% 1 | 23.5% 4 | 35.3% 6 | 17.6% 3 | 17 | 3.93 |
| Student mixer | 0.0% 0 | 29.4% 5 | 11.8% 2 | 47.1% 8 | 5.9% 1 | 5.9% 1 | 17 | 3.31 |

Q3 Which of the following did you complete during Path to STEM Success? Check all that apply.

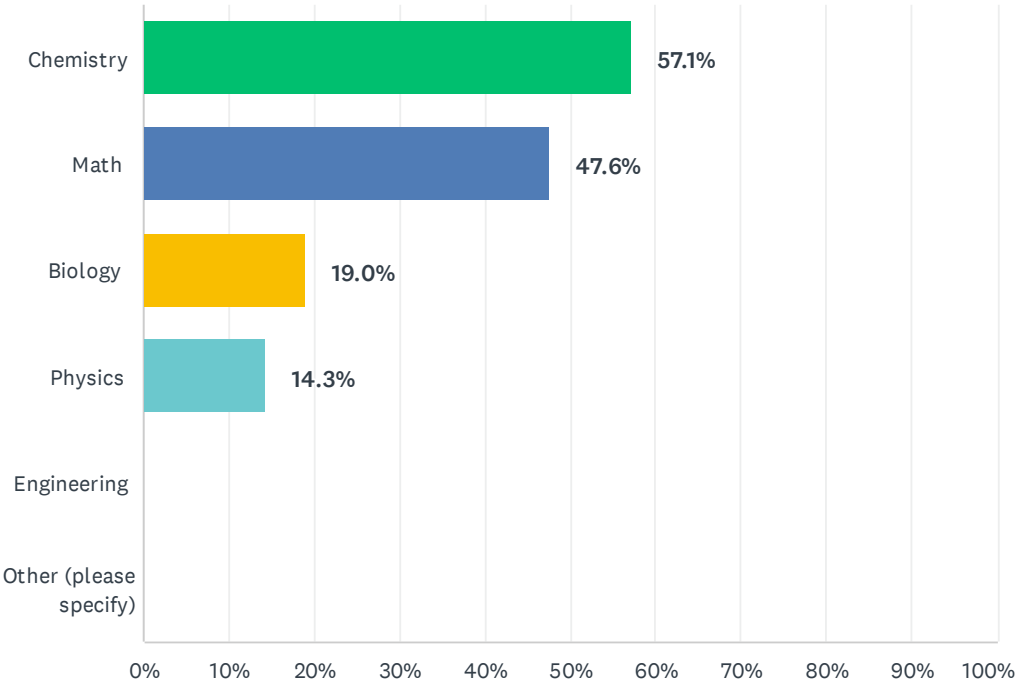
Answered: 17 Skipped: 14



| ANSWER CHOICES | RESPONSES | |
|--|-----------|----|
| None of the above | 58.8% | 10 |
| I updated my major or academic plan | 23.5% | 4 |
| I registered for classes | 11.8% | 2 |
| I made an appointment to meet with an academic advisor | 11.8% | 2 |
| Total Respondents: 17 | | |

Q4 Which of the following Study Jams did you participate in? [Check all that apply]

Answered: 21 Skipped: 10

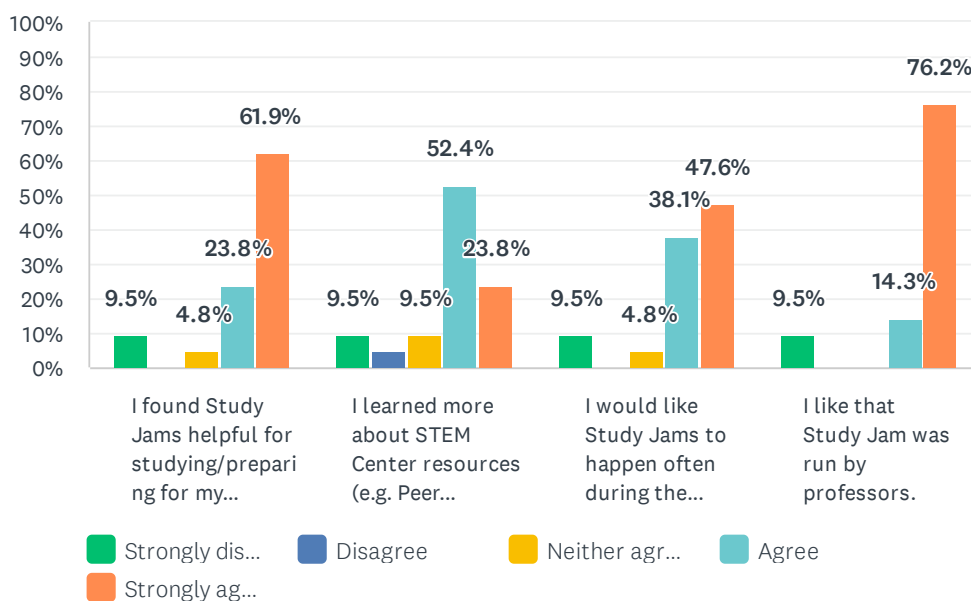


| ANSWER CHOICES | | RESPONSES | |
|------------------------|--|-----------|----|
| Chemistry | | 57.1% | 12 |
| Math | | 47.6% | 10 |
| Biology | | 19.0% | 4 |
| Physics | | 14.3% | 3 |
| Engineering | | 0.0% | 0 |
| Other (please specify) | | 0.0% | 0 |
| Total Respondents: 21 | | | |

| # | OTHER (PLEASE SPECIFY) | DATE |
|---|-------------------------|------|
| | There are no responses. | |

Q5 Rate your agreement with each of the following statements.

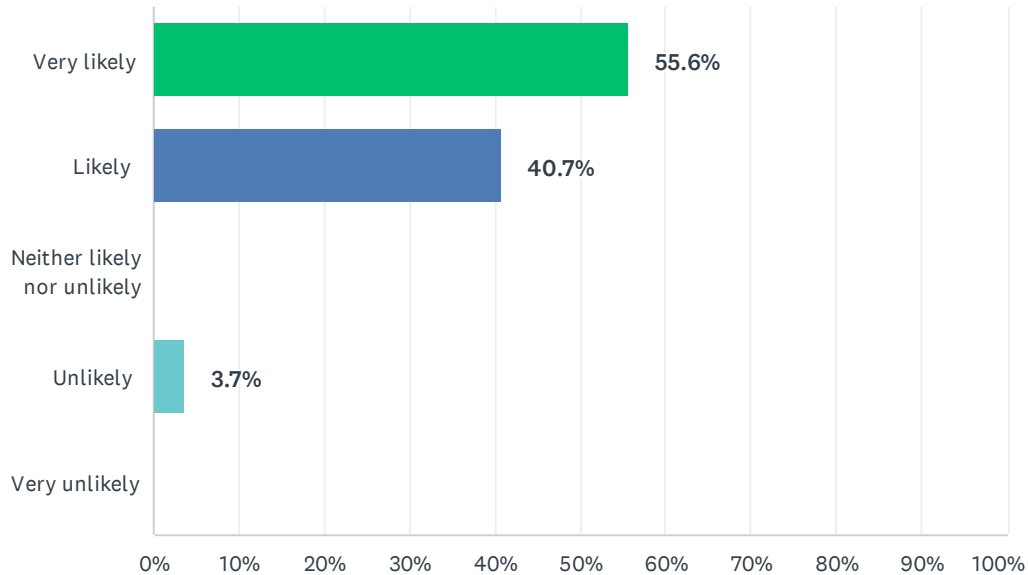
Answered: 21 Skipped: 10



| | STRONGLY DISAGREE | DISAGREE | NEITHER AGREE NOR DISAGREE | AGREE | STRONGLY AGREE | TOTAL | WEIGHTED AVERAGE |
|--|-------------------|-----------|----------------------------|-------------|----------------|-------|------------------|
| I found Study Jams helpful for studying/preparing for my courses. | 9.5% 2 | 0.0% 0 | 4.8% 1 | 23.8% 5 | 61.9% 13 | 21 | 4.29 |
| I learned more about STEM Center resources (e.g. Peer mentoring) from Study Jam. | 9.5% 2 | 4.8% 1 | 9.5% 2 | 52.4% 11 | 23.8% 5 | 21 | 3.76 |
| I would like Study Jams to happen often during the semester. | 9.5% 2 | 0.0% 0 | 4.8% 1 | 38.1% 8 | 47.6% 10 | 21 | 4.14 |
| I like that Study Jam was run by professors. | 9.5% 2 | 0.0% 0 | 0.0% 0 | 14.3% 3 | 76.2% 16 | 21 | 4.48 |

Q6 How likely are you to recommend the intersession Path to STEM Success activities to a friend/peer/classmate?

Answered: 27 Skipped: 4



| ANSWER CHOICES | RESPONSES | |
|-----------------------------|-----------|----|
| Very likely | 55.6% | 15 |
| Likely | 40.7% | 11 |
| Neither likely nor unlikely | 0.0% | 0 |
| Unlikely | 3.7% | 1 |
| Very unlikely | 0.0% | 0 |
| TOTAL | | 27 |

Q7 What was the most valuable aspect of your Path to STEM Success experience?

Answered: 20 Skipped: 11

| # | RESPONSES | DATE |
|----|--|--------------------|
| 1 | I think the most valuable aspect of my experience at the Path to STEM Success was the interactions with people in STEM research industries. The panel was especially helpful, as hearing about the different paths other, more established people have taken was quite insightful. | 1/27/2023 8:41 PM |
| 2 | That patience I was treated with as an older student just returning from service. | 1/27/2023 8:22 AM |
| 3 | the industry panel was very valuable. | 1/26/2023 1:53 PM |
| 4 | The internship panel | 1/26/2023 11:14 AM |
| 5 | Getting clarification on how to keep track of what lower division coursework needs to be completed in order to transfer (UC only). | 1/25/2023 10:39 PM |
| 6 | Lovely connections and confidence in my major | 1/25/2023 11:29 AM |
| 7 | Learning from industry leaders about what they look for in a candidate for a job | 1/24/2023 9:30 PM |
| 8 | Learning from the panel and from what Pável told us about internship opportunities | 1/24/2023 8:01 PM |
| 9 | Academic counselor discussing aspects of transferring and graduation requirements. I also learned more about the internship opportunities. | 1/24/2023 5:17 PM |
| 10 | Meeting my professor and being able to prepare for the upcoming semester | 1/24/2023 3:56 PM |
| 11 | Being around a group of like minded people for STEM, created an excitement and motivation for academia. | 1/24/2023 3:51 PM |
| 12 | Networking | 1/24/2023 3:40 PM |
| 13 | I liked that the instructor was very inclusive and always made sure each one of us understood the topic. | 1/24/2023 2:55 PM |
| 14 | The patience of the professor | 1/24/2023 2:09 PM |
| 15 | The studying to prepare for the new semester. | 1/24/2023 1:21 PM |
| 16 | It was very interactive | 1/24/2023 1:13 PM |
| 17 | Learning the material before hand was very nice, I feel like I got a head start. | 1/24/2023 1:10 PM |
| 18 | The most helpful was the general counseling, internship opportunities and the study jams. | 1/24/2023 10:54 AM |
| 19 | Study jams | 1/24/2023 10:39 AM |
| 20 | Learning from actual professors and being able to get a good refresher on topics I did not really recall . | 1/24/2023 9:00 AM |

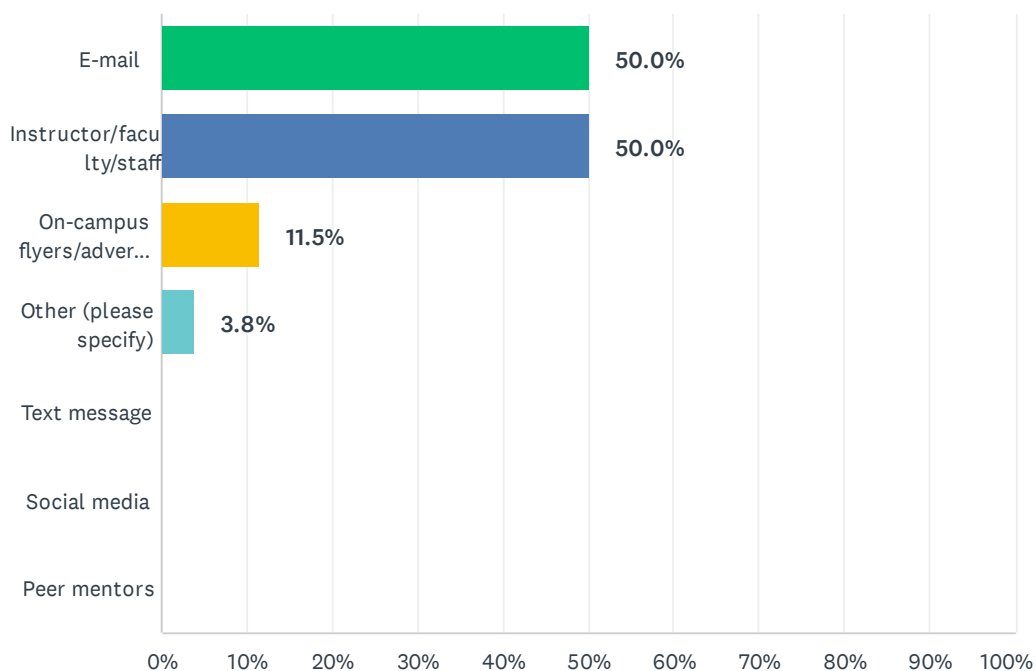
Q8 What suggestions do you have for improving the Path to STEM Success experience? (For example: timing, structure, layout, content, etc.)

Answered: 16 Skipped: 15

| # | RESPONSES | DATE |
|----|---|--------------------|
| 1 | I was quite happy with my experience at the event, so I don't have any major suggestions for improvements. | 1/27/2023 8:41 PM |
| 2 | Including some sort of ice breaker during the mixer. Also having a more diverse industry panel. | 1/26/2023 1:53 PM |
| 3 | Better content, more specific offering of resources, bring in employers for a hiring fair | 1/26/2023 11:14 AM |
| 4 | A longer session for transfer information would be helpful. | 1/25/2023 10:39 PM |
| 5 | I found the schedule sheet to be really confusing. Maybe just my brain thou! | 1/25/2023 11:29 AM |
| 6 | It was very well organized and enjoyable | 1/24/2023 9:30 PM |
| 7 | More specific counseling advice for individuals instead of a very general lecture. | 1/24/2023 8:01 PM |
| 8 | The student meet and greet could be more organized. For example, maybe have students greet person to the left and right, to open up student conversation. Set aside a time for all participating professors to introduce themselves and a little bit about their educational journey. Listening to everyone speak about their past experiences in academia was extremely inspiring. | 1/24/2023 3:51 PM |
| 9 | More time for counseling | 1/24/2023 3:40 PM |
| 10 | I enjoyed the hand outs for chemistry they were very helpful, proactive problems were given which were also helpful ! The timing was good very easy going environment. | 1/24/2023 2:55 PM |
| 11 | Having more professors participate to level out the ratio from student to teacher | 1/24/2023 2:09 PM |
| 12 | Allow it to be a little later for students who have late classes . | 1/24/2023 1:21 PM |
| 13 | Maybe beforehand explain the event more. | 1/24/2023 1:10 PM |
| 14 | Probably shortening the industry panel. | 1/24/2023 10:54 AM |
| 15 | N/A | 1/24/2023 10:39 AM |
| 16 | I thought this session was really good , the professor was very helpful and well prepared. Timing was good, and structure was good! | 1/24/2023 9:00 AM |

Q9 How did you hear about Path to STEM Success? Check all that apply.

Answered: 26 Skipped: 5

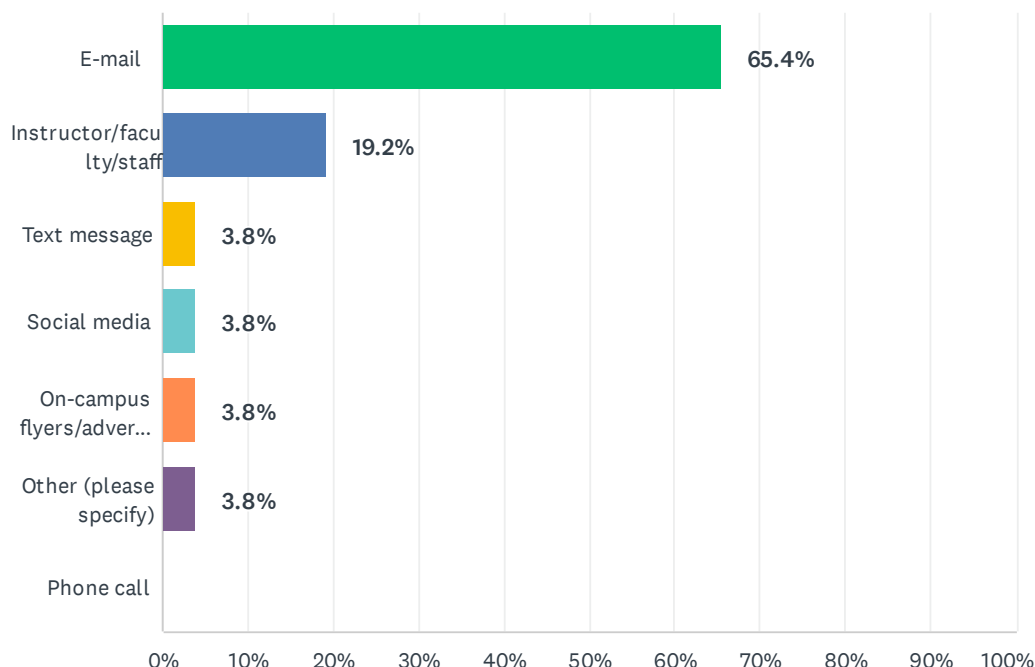


| ANSWER CHOICES | RESPONSES | |
|--------------------------------|-----------|----|
| E-mail | 50.0% | 13 |
| Instructor/faculty/staff | 50.0% | 13 |
| On-campus flyers/advertisement | 11.5% | 3 |
| Other (please specify) | 3.8% | 1 |
| Text message | 0.0% | 0 |
| Social media | 0.0% | 0 |
| Peer mentors | 0.0% | 0 |
| Total Respondents: 26 | | |

| # | OTHER (PLEASE SPECIFY) | DATE |
|---|------------------------|-------------------|
| 1 | Friend | 1/24/2023 1:16 PM |

Q10 Which of the following do you believe is the best way to inform students of activities like Path to STEM Success?

Answered: 26 Skipped: 5

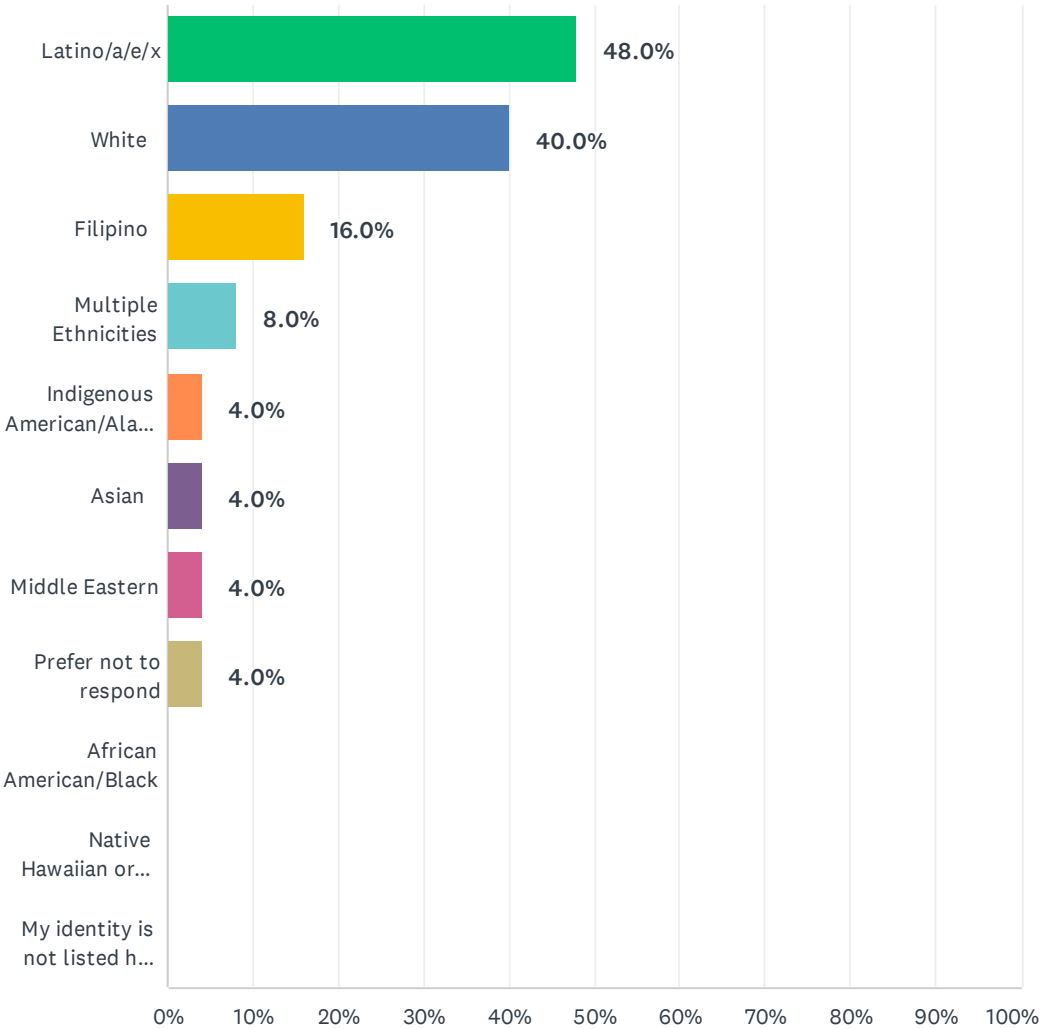


| ANSWER CHOICES | RESPONSES | |
|--------------------------------|-----------|----|
| E-mail | 65.4% | 17 |
| Instructor/faculty/staff | 19.2% | 5 |
| Text message | 3.8% | 1 |
| Social media | 3.8% | 1 |
| On-campus flyers/advertisement | 3.8% | 1 |
| Other (please specify) | 3.8% | 1 |
| Phone call | 0.0% | 0 |
| TOTAL | | 26 |

| # | OTHER (PLEASE SPECIFY) | DATE |
|---|---|-------------------|
| 1 | Word of mouth. Maybe get students to spread the word and incentives to make them do it like a \$ for every student they bring in. I managed to bring in 4 students just from taking to friends at Mesa who had no idea about the event. | 1/24/2023 8:02 PM |

Q11 What is your ethnicity/race? Check all that apply.

Answered: 25 Skipped: 6

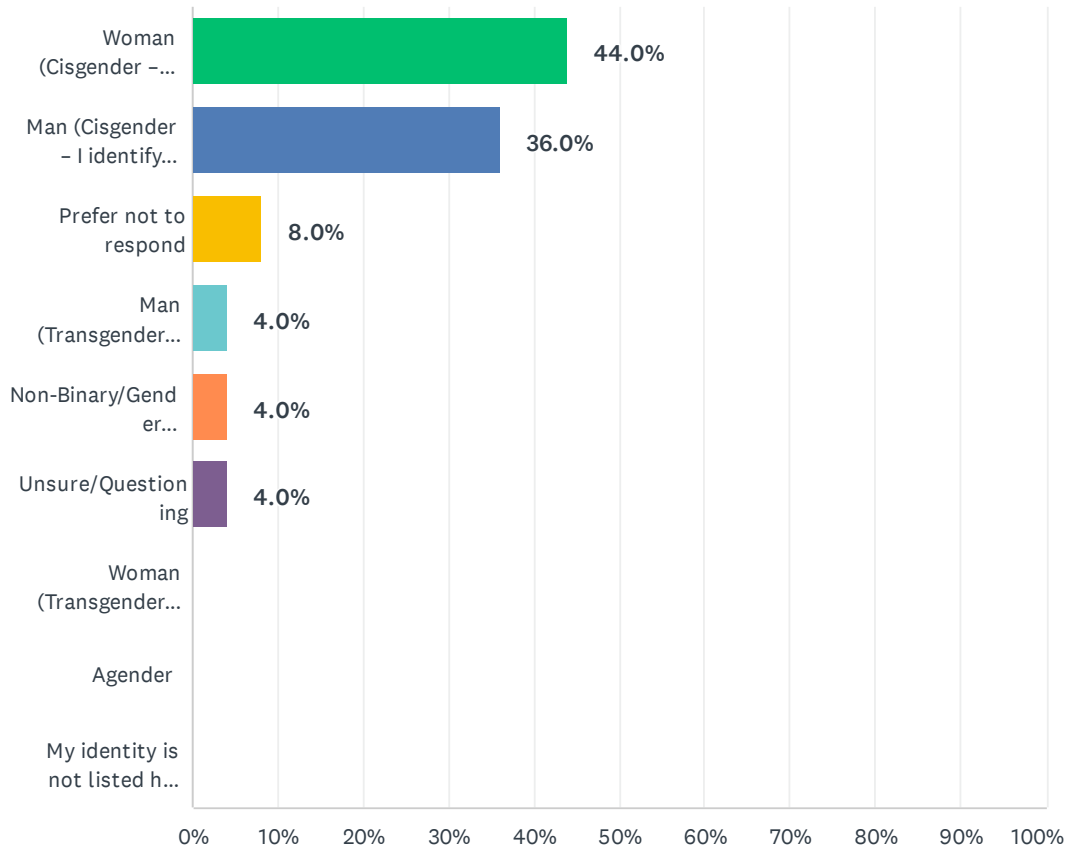


| ANSWER CHOICES | RESPONSES | |
|--|-----------|----|
| Latino/a/e/x | 48.0% | 12 |
| White | 40.0% | 10 |
| Filipino | 16.0% | 4 |
| Multiple Ethnicities | 8.0% | 2 |
| Indigenous American/Alaska Native | 4.0% | 1 |
| Asian | 4.0% | 1 |
| Middle Eastern | 4.0% | 1 |
| Prefer not to respond | 4.0% | 1 |
| African American/Black | 0.0% | 0 |
| Native Hawaiian or Pacific Islander | 0.0% | 0 |
| My identity is not listed here – specify below | 0.0% | 0 |
| Total Respondents: 25 | | |

| # | MY IDENTITY IS NOT LISTED HERE – SPECIFY BELOW | DATE |
|---|--|------|
| | There are no responses. | |

Q12 What is your gender?

Answered: 25 Skipped: 6

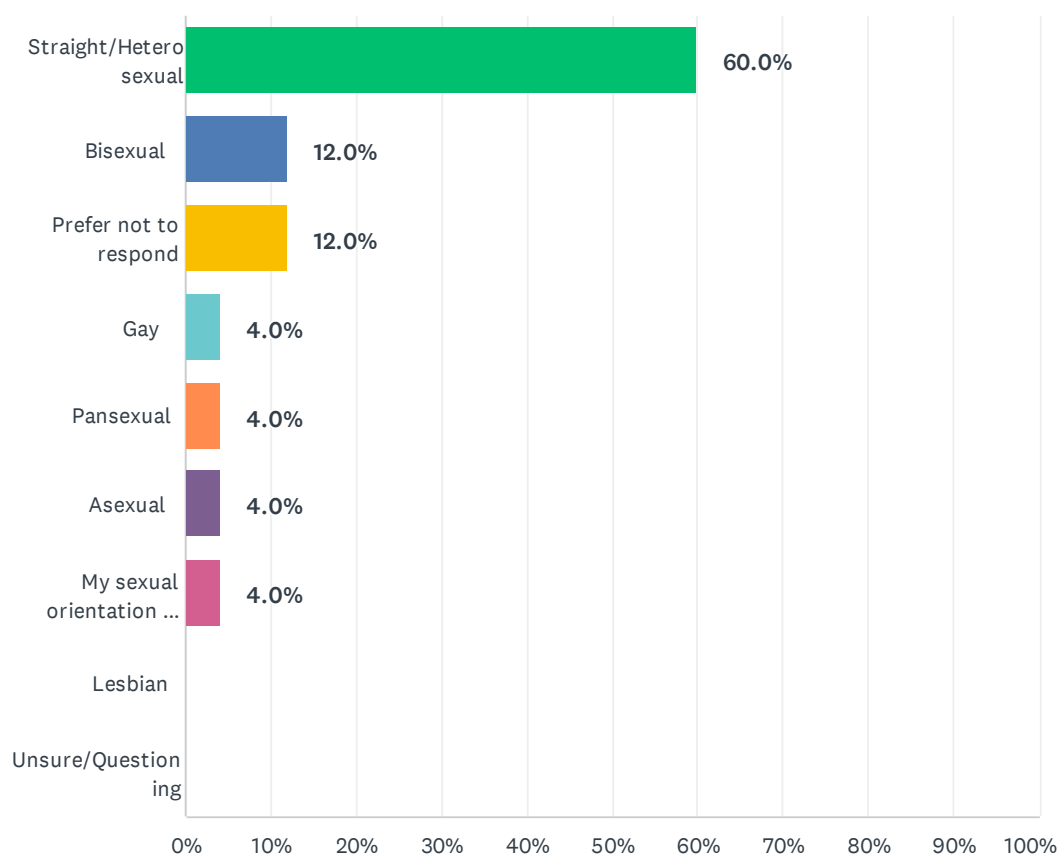


| ANSWER CHOICES | RESPONSES | |
|--|-----------|-----------|
| Woman (Cisgender – I identify with the sex I was assigned at birth) | 44.0% | 11 |
| Man (Cisgender – I identify with the sex I was assigned at birth) | 36.0% | 9 |
| Prefer not to respond | 8.0% | 2 |
| Man (Transgender – I do not identify with the sex I was assigned at birth) | 4.0% | 1 |
| Non-Binary/Gender Non-conforming/Gender Fluid | 4.0% | 1 |
| Unsure/Questioning | 4.0% | 1 |
| Woman (Transgender – I do not identify with the sex I was assigned at birth) | 0.0% | 0 |
| Agender | 0.0% | 0 |
| My identity is not listed here – specify below | 0.0% | 0 |
| TOTAL | | 25 |

| # | MY IDENTITY IS NOT LISTED HERE – SPECIFY BELOW | DATE |
|---|--|------|
| | There are no responses. | |

Q13 What is your sexual orientation?

Answered: 25 Skipped: 6

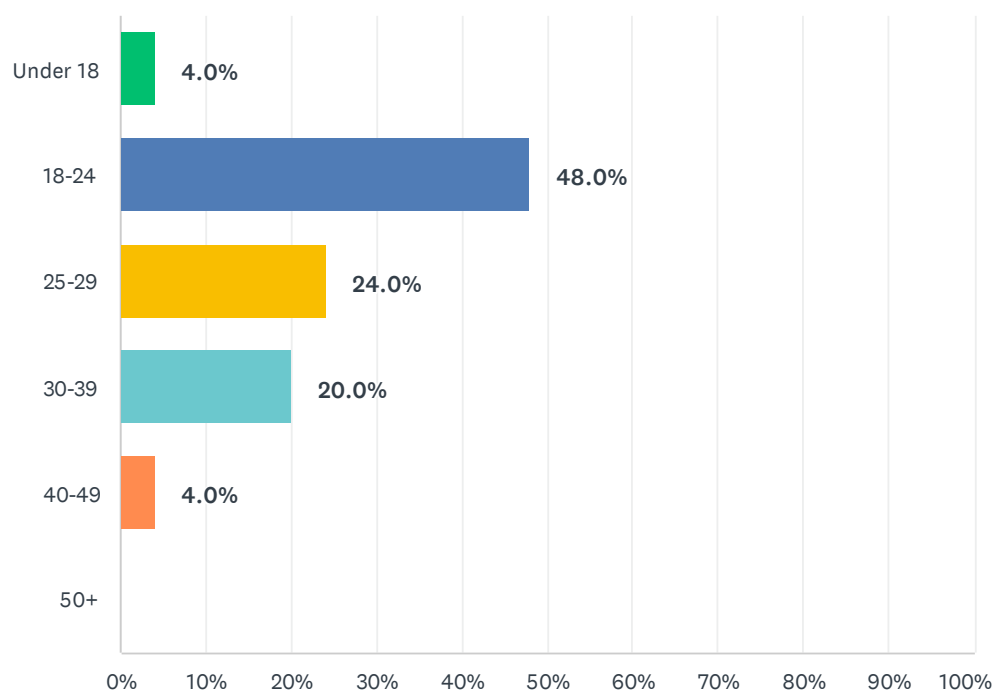


| ANSWER CHOICES | RESPONSES | |
|--|-----------|-----------|
| Straight/Heterosexual | 60.0% | 15 |
| Bisexual | 12.0% | 3 |
| Prefer not to respond | 12.0% | 3 |
| Gay | 4.0% | 1 |
| Pansexual | 4.0% | 1 |
| Asexual | 4.0% | 1 |
| My sexual orientation is not listed here – specify below | 4.0% | 1 |
| Lesbian | 0.0% | 0 |
| Unsure/Questioning | 0.0% | 0 |
| TOTAL | | 25 |

| # | MY SEXUAL ORIENTATION IS NOT LISTED HERE – SPECIFY BELOW | DATE |
|---|--|-------------------|
| 1 | Asexual Aromatic | 1/24/2023 3:58 PM |

Q14 What is your age group?

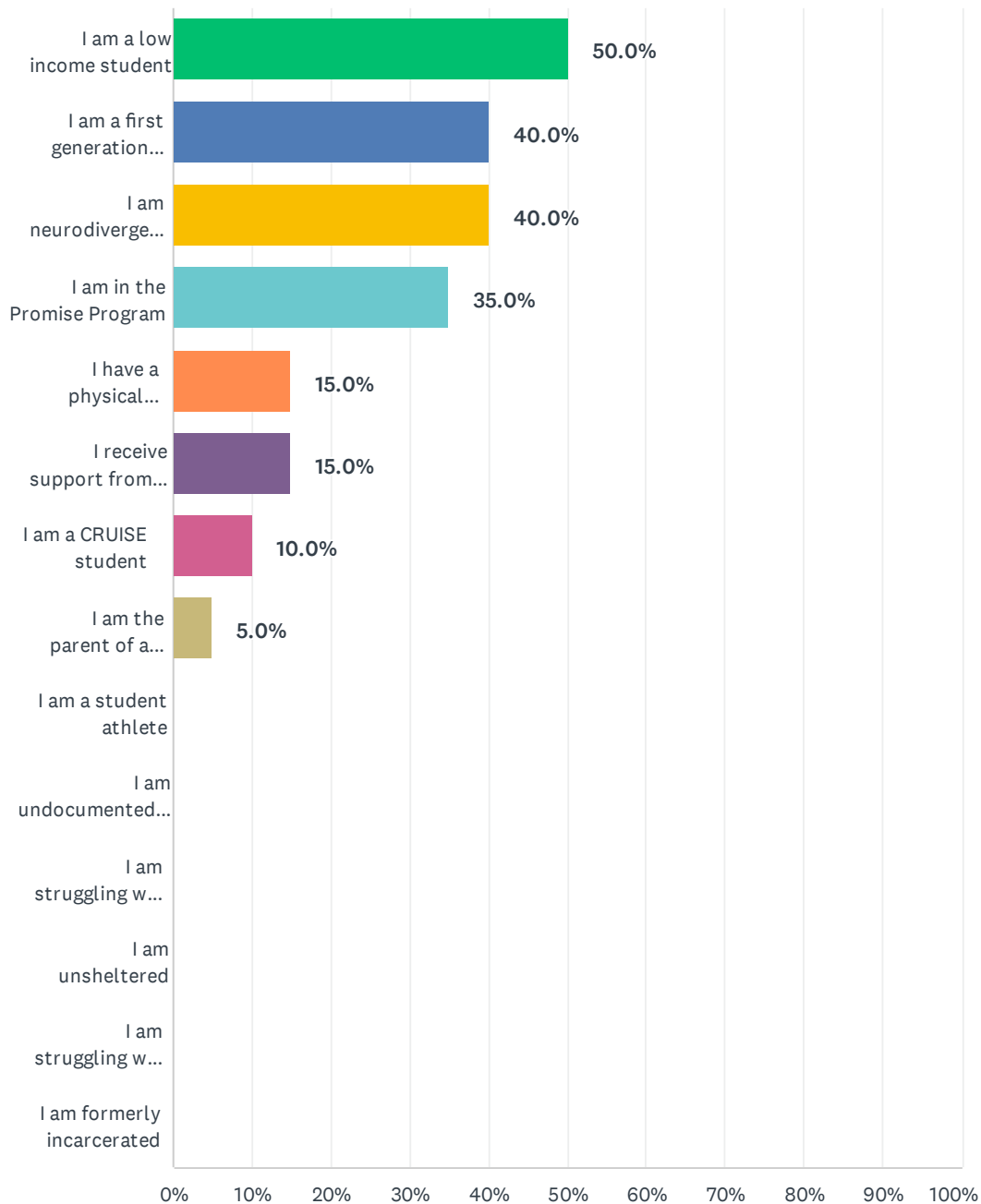
Answered: 25 Skipped: 6



| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|----|
| Under 18 | 4.0% | 1 |
| 18-24 | 48.0% | 12 |
| 25-29 | 24.0% | 6 |
| 30-39 | 20.0% | 5 |
| 40-49 | 4.0% | 1 |
| 50+ | 0.0% | 0 |
| TOTAL | | 25 |

Q15 Check any that apply to you:

Answered: 20 Skipped: 11



| ANSWER CHOICES | RESPONSES | |
|--|-----------|----|
| I am a low income student | 50.0% | 10 |
| I am a first generation student | 40.0% | 8 |
| I am neurodivergent (e.g. ADHD, Autism Spectrum Disorder) | 40.0% | 8 |
| I am in the Promise Program | 35.0% | 7 |
| I have a physical disability or chronic illness | 15.0% | 3 |
| I receive support from DSPS (Disability Support Programs and Services) | 15.0% | 3 |
| I am a CRUISE student | 10.0% | 2 |
| I am the parent of a child under 18 years old | 5.0% | 1 |
| I am a student athlete | 0.0% | 0 |
| I am undocumented or DACA | 0.0% | 0 |
| I am struggling with food insecurity | 0.0% | 0 |
| I am unsheltered | 0.0% | 0 |
| I am struggling with housing insecurity | 0.0% | 0 |
| I am formerly incarcerated | 0.0% | 0 |
| Total Respondents: 20 | | |