



IUPUI

School of Engineering and Technology

Entering Student Survey Report

2018



Welcome to the 2018 IUPUI School of Engineering and Technology Entering Student Survey Report

The Entering Student Survey is a yearly survey administered during the first day of a student's orientation. The students are given the link to the survey during a dedicated block of time to ensure they have enough time to complete the survey. The survey is not required to be filled out, but it is encouraged as some responses may be used to ensure they get information to resources to help them succeed in college. Of the 364 School of Engineering & Technology beginning freshmen direct admits in the 2018 cohort, 196 completed the Entering Student Survey. That is a response rate of 54%. Of the 193 beginning freshmen Engineering & Technology pre-majors, 75 completed the Entering Student Survey. This is a response rate of 39%.

IUPUI's Vision

To be a leading urban research institution recognized for the success of its students, its advances in health and life sciences, and its intellectual, economic, and cultural contributions to the well-being of the citizens of Indianapolis, the state of Indiana, and beyond.

Key Highlights Overall

- Compared to all other **direct-admit students**, School of Engineering & Technology direct-admit students were more likely to rate themselves higher on mathematical ability, chose a major because the starting salaries are high, and choose IUPUI because of the opportunity for an IU or Purdue Degree.
- Compared to all other University College **pre-major students**, School of Engineering & Technology pre-major students more likely to rate themselves higher on mathematical ability, and experience stress balancing work and school-related responsibilities.
- Compared to all School of Engineering & Technology pre-major students, School of Engineering & Technology direct-admit students were more likely to participate in an internship, co-op, field experience, practicum, student teaching, or clinical placement and rate themselves higher on mathematical and academic ability.
- **94%** of Engineering & Technology direct-admit respondents agree that the **IUPUI campus is welcoming**.
- **88%** of direct-admit respondents agree that **they are proud to tell other they go to school at IUPUI**.
- Direct-admit respondents rated themselves highest on **'Mathematical and Academic ability'** and lowest on **'Study skills'** when comparing themselves to others their age.
- **61%** of direct-admit respondents have 'Some' concerns about **their ability to finance their college education**.
- **54%** of direct-admit respondents plan to **work at least 1 hour for pay off campus**, with about 29% of respondents planning to work over 15 hours off campus.
- The top 3 reasons direct-admit respondents decided to attend IUPUI were 'Opportunity for an IU or Purdue degree', 'Availability of specific academic programs (majors)', and 'Graduates get good jobs'.
- Engineering & Technology pre-major respondents rated themselves highest on **'Ability to work with other that are different from you'**.
- **65%** of pre-majors have 'Some' concerns about their ability to finance college education.
- For Engineering and Technology pre-major respondents that have chosen a major the most important factor was the major aligning with their interests.

SCHOOL OF ENGINEERING AND TECHNOLOGY SURVEY RESPONDENTS DEMOGRAPHICS

Residency	Engineering & Technology Direct Admits		Engineering & Technology Pre-Major	
	N	Percentage	N	Percentage
Indiana Resident	167	85.2	68	90.7
Non-Resident	29	14.8	7	9.3
Gender				
Female	32	16.3	15	20.0
Male	164	83.7	60	80.0
Age				
Under 19	196	100.0	75	100.0
20-25	0	0.0	0	0.0
Over 25	0	0.0	0	0.0
Ethnicity				
White	155	79.1	43	57.3
Hispanic/Latino	8	4.1	11	14.7
Black/African American	9	4.6	10	13.3
American Indian/Alaska Native	0	0.0	0	0.0
Asian	10	5.1	7	9.3
Native Hawaiian/Pacific Island	0	0.0	0	0.0
International	4	2.0	1	1.3
Two or More Races	10	5.1	3	4.0
Financial Information				
Received Pell Grant first Fall semester (preliminary)	51	26.0	28	37.3
Housing				
Living On-Campus	106	54.1	30	40.0

**KEY HIGHLIGHTS IN COMPARISONS BETWEEN
SCHOOL OF ENGINEERING & TECHNOLOGY DIRECT ADMIT RESPONDENTS AND
ALL OTHER BEGINNING FRESHMEN DIRECT-ADMIT RESPONDENTS**

A means comparison analysis was conducted between the 2018 School of Engineering & Technology direct-admit respondents and all other 2018 beginning freshmen direct-admit respondents who took the Entering Student Survey. For four areas of questions a construct was formed to better analyze differences between the two groups. One of the four constructs were significant at the .05 level.

Construct	Eng & Tech Direct-Admits Mean	All Other Direct-Admits Mean
Consistency of Interest	2.72	2.70
Organizational Commitment	5.44	5.63
Sense of Belonging	5.57	5.69
Perseverance of Effort	3.98	3.99

Bolded items are significant based on independent samples t-test results ($p < .05$)

The following tables include only the items from each section which are significant based on independent samples t-test results. All items are significant at the $p < .05$ level while others are significant at the $p < .01$ or $p < .001$ level as indicated.

Independent Sample T-test of Significance between 2018 School of Engineering & Technology Direct-Admit Respondents and all other 2018 Direct-Admit Respondents	Eng & Tech Direct-Admits Mean	All Other Direct-Admits Mean
Comparisons of Traits to Other Students¹		
Mathematical ability***	3.97	3.46
Writing ability***	3.31	3.64
Study skills***	3.01	3.22
Ability to work with others that are different from you**	3.76	3.93
Ability to seek out appropriate academic help***	3.24	3.46
Ability to manage finances***	3.62	3.37
Anticipated Success and Involvement²		
Change major field***	2.06	2.25
Change career choice***	2.12	2.36
Experience stress balancing work and school-related responsibilities***	3.15	3.32
Experience stress balancing family and school-related responsibilities**	2.84	3.01
Participate in student clubs/groups***	3.15	3.34
Participate in service learning or community service***	2.71	3.06
Participate in study abroad or international travel related to school***	2.63	2.91
Get tutoring or peer mentoring help in specific courses***	2.95	3.18
Financial Aid³		
Do you have any concerns about your ability to finance your college education?	.81	.91

¹ 1=Lowest 10%, 2=Below Average, 3=Average, 4=Above Average, 5=Highest 10%

² 1=No Chance, 2=Very Little Chance, 3=Some Chance, 4=Very Good Chance

³ 1=None, 2=Some, 3=Major

= $p < .01$ *= $p < .001$

2018 Entering Student Survey

Independent Sample T-test of Significance between 2018 School of Engineering & Technology Direct-Admit Respondents and all other 2018 Direct-Admit Respondents	Eng & Tech Direct-Admits % Over 15 hours	All Other Direct-Admits % Over 15 hours
Hours Spent on Activities		
Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	11.7	17.7
Engaging in volunteer activities	6.5	8.6
Interacting with online social networks (Facebook, Myspace, Twitter, etc.)***	11.8	14.7

Independent Sample T-test of Significance between 2018 School of Engineering & Technology Direct-Admit Respondents and all other 2018 Direct-Admit Respondents	Eng & Tech Direct-Admits Mean	All Other Direct-Admits Mean
Decisions to Attend IUPUI¹		
Size of IUPUI**	2.61	2.86
Wanted to live near home	2.60	2.84
Social opportunities associated with IUPUI located in city of Indianapolis***	3.02	3.40
Job, career, and internship opportunities available in Indianapolis while attending school	3.79	3.99
Career and job opportunities available in Indianapolis after I complete my degree	3.74	3.93
Opportunity for an IU or Purdue degree**	4.02	3.76
Social Climate/Activities at the College***	3.15	3.47
Availability of financial aid/scholarship	3.82	4.00
Resources available for underserved students (LGBTQ, students of color, veterans, older students, veterans, older students, transfer students, etc.)***	2.06	2.57

¹ 1= Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important
 =p<.01 *=p<.001

Independent Sample T-test of Significance between 2018 School of Engineering & Technology Direct-Admit Respondents and all other 2018 Direct-Admit Respondents who have chosen a major.	Eng & Tech Direct-Admits Mean	All Other Direct-Admits Mean
Academic Future¹		
What is the highest college degree you expect to obtain?***	3.30	3.53
Reasons for Choosing Major²		
Starting salaries are high***	3.96	3.67
Major makes people like me feel welcome***	3.50	3.77
Major is aligned with my personality***	3.95	4.23
Major is aligned with the lifestyle I would like to have	4.07	4.24
Media (TV, social media, newspapers, commercials, movies) that spark my interest or awareness**	2.84	3.14
IUPUI specific communications that sparked my interest or awareness	2.72	2.98

¹ 1=None, just taking classes, 2=Associate's, 3=Bachelor's, 4=Graduate degree (Master's or Doctorate)

² 1= Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important
 =p<.01 *=p<.001

2018 Entering Student Survey

Top 10 Factors in Choosing IUPUI					
School of Engineering & Technology Direct-Admits	N	Mean	All Other Direct-Admits	N	Mean
Opportunity for an IU or Purdue Degree	176	4.02	Availability of specific academic programs (majors)	646	4.05
Availability of specific academic programs (majors)	176	3.93	Availability of financial aid/scholarship	641	4.00
Graduates get good jobs	178	3.92	Job, career, and internship opportunities available in Indianapolis while attending school	648	3.99
Availability of financial aid/scholarship	175	3.82	Career and job opportunities available in Indianapolis after I complete my degree	647	3.93
Job, career, and internship opportunities available in Indianapolis while attending school	176	3.79	Graduates get good jobs	662	3.92
Career and job opportunities available in Indianapolis after I complete my degree	176	3.74	Cost	668	3.79
Cost	178	3.67	Opportunity for an IU or Purdue Degree	646	3.76
IUPUI's reputation	175	3.39	IUPUI's reputation	642	3.52
Social Climate/Activities at the College	176	3.15	Social Climate/Activities at the College	646	3.47
A visit to campus	173	3.03	Social opportunities associated with IUPUI located in city of Indianapolis	667	3.40

1=Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important

KEY HIGHLIGHTS IN COMPARISONS
BETWEEN SCHOOL OF ENGINEERING & TECHNOLOGY PRE-MAJOR RESPONDENTS
AND ALL OTHER PRE-MAJOR RESPONDENTS

A means comparison analysis was conducted between the 2018 School of Engineering & Technology pre-major respondents and all of the other 2018 pre-major respondents who took the Entering Student Survey. For four areas of questions a construct was formed to better analyze differences between the two groups. Two of the four constructs were significant at the .05 level.

Construct	Eng & Tech Pre-Majors Mean	All Other Pre-Majors Mean
Consistency of Interest	2.59	2.65
Organizational Commitment	5.39	5.76
Sense of Belonging	5.40	5.67
Perseverance of Effort	4.05	3.90

Bolded items are significant based on independent samples t-test results ($p < .05$)

The following tables include only the items from each section which are significant based on independent samples t-test results. All items are significant at the $p < .05$ level while others are significant at the $p < .01$ or $p < .001$ level as indicated.

Independent Sample T-test of Significance between 2018 School of Engineering & Technology Pre-Major Respondents and all other 2018 Pre-Major Respondents	Eng & Tech Pre-Majors Mean	All Other Pre-Majors Mean
Comparisons of Traits to Other Students¹		
Mathematical ability***	3.43	3.08
Writing ability	3.17	3.40
Leadership ability	3.77	3.55
Self-confidence (related to intellectual or academic activities)	3.63	3.37
Self-confidence (related to social activities)***	3.75	3.33
Emotional health***	3.63	3.26

¹ 1=Lowest 10%, 2=Below Average, 3=Average, 4=Above Average, 5=Highest 10%

= $p < .01$ *= $p < .001$

Independent Sample T-test of Significance between 2018 School of Engineering & Technology Pre-Major Respondents and all other 2018 Pre-Major Respondents	Eng & Tech Pre-Majors Mean	All Other Pre-Majors Mean
Anticipated Success and Involvement¹		
Change major field	2.12	2.36
Change career choice***	2.08	2.39
Experience stress balancing work and school-related responsibilities***	3.06	3.39
Experience stress balancing family and school-related responsibilities	2.83	3.05
Participate in student clubs/groups	2.97	3.16
Participate in events or activities on campus	3.03	3.24
Decisions to Attend IUPUI²		
Opportunity for an IU or Purdue Degree	4.23	3.90

¹ 1=No Chance, 2=Very Little Chance, 3=Some Chance, 4=Very Good Chance

² 1= Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important

= $p < .01$ *= $p < .001$

2018 Entering Student Survey

Top 10 Factors in Choosing IUPUI					
School of Engineering & Technology Pre-Majors	N	Mean	All Other Pre-Majors	N	Mean
Opportunity for and IU or Purdue Degree	57	4.23	Availability of financial aid/scholarship	666	3.97
Graduates get good jobs	60	4.08	Graduates get good jobs	686	3.96
Availability of financial aid/scholarship	58	3.90	Career and job opportunities available in Indianapolis after I complete my degree	671	3.92
Availability of specific academic programs (majors)	58	3.86	Availability of specific academic programs (majors)	671	3.91
Career and job opportunities available in Indianapolis after I complete my degree	58	3.81	Opportunity for and IU or Purdue Degree	670	3.90
Job, career, and internship opportunities available in Indianapolis while attending school	58	3.76	Job, career, and internship opportunities available in Indianapolis while attending school	672	3.90
Cost	60	3.62	Cost	688	3.73
IUPUI's reputation	58	3.53	IUPUI's reputation	668	3.61
Social Climate/Activities at the College	58	3.40	Social Climate/Activities at the College	669	3.51
A visit to campus	55	3.36	A visit to campus	651	3.33

1=Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important

**KEY HIGHLIGHTS IN COMPARISONS BETWEEN
SCHOOL OF ENGINEERING & TECHNOLOGY DIRECT-ADMIT RESPONDENTS
AND SCHOOL OF ENGINEERING & TECHNOLOGY PRE-MAJOR RESPONDENTS**

A means comparison analysis was conducted between the 2018 School of Engineering & Technology direct-admit respondents and the 2018 School of Engineering & Technology pre-major respondents who took the Entering Student Survey. For four areas of questions a construct was formed to better analyze differences between the two groups. None of the four constructs were significant at the .05 level.

Construct	Eng & Tech Direct-Admits Mean	Eng & Tech Pre-Majors Mean
Consistency of Interest	2.72	2.59
Organizational Commitment	5.52	2.39
Sense of Belonging	5.49	5.40
Perseverance of Effort	3.98	4.05

Bolded items are significant based on independent samples t-test results ($p < .05$)

The following tables include only the items from each section which are significant based on independent samples t-test results. All items are significant at the $p < .05$ level while others are significant at the $p < .01$ or $p < .001$ level as indicated.

Independent Sample T-test of Significance between 2018 School of Engineering & Technology Direct-Admit Respondents and 2018 School of Engineering & Technology Pre-Major Respondents	Eng & Tech Direct-Admits Mean	Eng & Tech Pre-Majors Mean
Comparisons of Traits to Other Students¹		
Academic ability***	3.97	3.53
Mathematical ability***	3.97	3.43
Ability to seek out appropriate academic help	3.24	3.51
Ability to manage finances***	3.62	3.20
Self-confidence (related to social activities)***	3.27	3.75

¹ 1=Lowest 10%, 2=Below Average, 3=Average, 4=Above Average, 5=Highest 10%

= $p < .01$ *= $p < .001$

Independent Sample T-test of Significance between 2018 School of Engineering & Technology Direct-Admit Respondents and 2018 School of Engineering & Technology Pre-Major Respondents	Eng & Tech Direct-Admits Mean	Eng & Tech Pre-Majors Mean
Anticipated Success and Involvement¹		
Be satisfied with college life	3.54	3.34
Participate in events or activities on campus	3.27	3.03
Get tutoring or peer mentoring help in specific courses	2.95	3.16
Participate in an internship, co-op, field experience, practicum, student teaching, or clinical placement**	3.41	3.14
Decisions to Attend IUPUI²		
Opportunity for an IU or Purdue Degree**	3.70	4.23

¹ 1=No Chance, 2=Very Little Chance, 3=Some Chance, 4=Very Good Chance

² 1= Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important

= $p < .01$ *= $p < .001$

2018 Entering Student Survey

Top 10 Factors in Choosing IUPUI

School of Engineering & Technology Direct-Admits	N	Mean	School of Engineering & Technology Pre-Majors	N	Mean
Opportunity for an IU or Purdue Degree	176	4.02	Opportunity for and IU or Purdue Degree	57	4.23
Availability of specific academic programs (majors)	176	3.93	Graduates get good jobs	60	4.08
Graduates get good jobs	178	3.92	Availability of financial aid/scholarship	58	3.90
Availability of financial aid/scholarship	175	3.82	Availability of specific academic programs (majors)	58	3.86
Job, career, and internship opportunities available in Indianapolis while attending school	176	3.79	Career and job opportunities available in Indianapolis after I complete my degree	58	3.81
Career and job opportunities available in Indianapolis after I complete my degree	176	3.74	Job, career, and internship opportunities available in Indianapolis while attending school	58	3.76
Cost	178	3.67	Cost	60	3.62
IUPUI's reputation	175	3.39	IUPUI's reputation	58	3.53
Social Climate/Activities at the College	176	3.15	Social Climate/Activities at the College	58	3.40
A visit to campus	173	3.03	A visit to campus	55	3.36

1=Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important

ENGINEERING AND TECHNOLOGY
DIRECTLY ADMITTED STUDENTS
DEMOGRAPHICS

Residency	Engineering and Technology Direct-Admit Respondents		All Engineering and Technology Beginning Freshmen	
	N	Percentage	N	Percentage
Indiana Resident	167	85.2	266	73.1
Non-Resident	29	14.8	98	26.9
Gender				
Female	32	16.3	72	19.8
Male	164	83.7	292	80.2
Age				
Under 19	196	100.0	358	98.4
20-25	0	0.0	6	1.6
Over 25	0	0.0	0	0.0
Ethnicity				
White	155	79.1	268	74.4
Hispanic/Latino	8	4.1	22	6.1
Black/African American	9	4.6	16	4.4
American Indian/Alaska Native	0	0.0	1	0.3
Asian	10	5.1	16	4.4
Native Hawaiian/Pacific Island	0	0.0	0	0.0
International	4	2.0	22	6.1
Two or More Races	10	5.1	15	4.2
Financial Information				
Received Pell Grant first Fall semester (preliminary)	51	26.0	85	23.4
Housing				
Living On-Campus	106	54.1	161	44.2

2018 Entering Student Survey

SENSE OF BELONGING

Please rate how much you agree with each statement									
	N	Mean	Strongly Disagree	Moderately Disagree	Slightly Disagree	Neither Disagree nor Agree	Slightly Agree	Moderately Agree	Strongly Agree
<i>Percentages</i>									
The IUPUI campus community has made me feel welcomed	196	6.03	0.0	1.0	0.0	4.6	33.2	11.7	49.5
I feel that I fit right in on campus	196	5.54	0.5	1.0	2.0	8.7	42.9	17.9	27.0
I see myself as part of the IUPUI community	196	5.51	0.5	0.5	4.1	11.7	38.8	14.3	30.1
I feel that I am a member of the IUPUI community	196	5.49	0.5	1.5	2.6	13.3	35.7	18.9	27.6
I feel connected with other IUPUI students	196	5.44	0.5	2.0	4.6	10.7	37.2	17.9	27.0
I feel a sense of belonging to IUPUI	196	5.43	1.5	1.5	2.0	10.2	45.4	10.7	28.6

1=Strongly Disagree, 2=Moderately Disagree, 3=Slightly Disagree, 4=Neither Disagree nor Agree, 5=Slightly Agree, 6=Moderately Agree, 7=Strongly Agree
Rank ordered by means

COMMITMENT TO IUPUI

Please rate how much you agree with each statement									
	N	Mean	Strongly Disagree	Moderately Disagree	Slightly Disagree	Neither Disagree nor Agree	Slightly Agree	Moderately Agree	Strongly Agree
<i>Percentages</i>									
I am proud to tell others I am going to school here	195	5.84	2.1	1.5	0.5	8.2	28.7	11.8	47.2
I am extremely glad that I chose IUPUI over other colleges	195	5.72	1.5	2.1	1.0	9.2	29.7	16.9	39.5
It is important for me to graduate from IUPUI (e.g., rather than from another college)	195	5.58	2.6	1.5	5.1	13.3	22.1	14.4	41.0
I feel a sense of IUPUI jaguar pride	195	5.25	2.1	2.1	3.1	17.9	32.3	21.5	21.0
IUPUI was my first choice of colleges that I was accepted to or considered applying to	195	4.81	5.1	13.3	14.4	7.2	15.4	11.8	32.8

1=Strongly Disagree, 2=Moderately Disagree, 3=Slightly Disagree, 4=Neither Disagree nor Agree, 5=Slightly Agree, 6=Moderately Agree, 7=Strongly Agree
Rank ordered by means

SENSE OF GRIT AND PERSEVERANCE

Please rate how true each statement is about you							
	N	Mean	1-Not at all like me	2	3	4	5-Very much like me
	<i>Percentages</i>						
I am a hard worker ¹	192	4.42	1.0	0.5	10.4	31.8	56.3
I am diligent ¹	192	4.02	0.5	2.1	26.0	37.5	33.9
I finish whatever I begin ¹	190	3.95	1.1	4.7	22.1	42.1	30.0
Setbacks don't discourage me ¹	189	3.54	2.1	14.3	30.2	34.4	19.0
New ideas and projects sometimes distract me from previous ones ²	192	3.17	8.3	17.2	33.3	31.8	9.4
I have difficulty maintaining my focus on projects that take more than a few months to complete ²	192	2.69	17.2	29.2	29.2	16.1	8.3
I often set a goal but later choose to pursue a different one ²	191	2.54	15.2	37.2	29.3	14.7	3.7
I focus on a certain idea or project for a short time but lose interest later ²	192	2.48	16.1	39.1	29.7	10.4	4.7

1=Not at all like me, 2=2, 3=3, 4=4, 5=Very much like me

¹ These 4 items make up the Perseverance of Effort construct analyzed in the comparison section of the report

¹ A lower mean on Consistency of Interest indicates higher GRIT consistency of effort.

¹ Duckworth, A. L. & Quinn, P. D. (2009). Development and validation of the Short Grit Scale (Grit-S). *Journal of Personality Assessment*, 91(2), 166-174.

² These 4 items make up the Consistency of Interest construct analyzed in the comparisons section of the report
Rank ordered by means



SELF-EFFICACY RATING

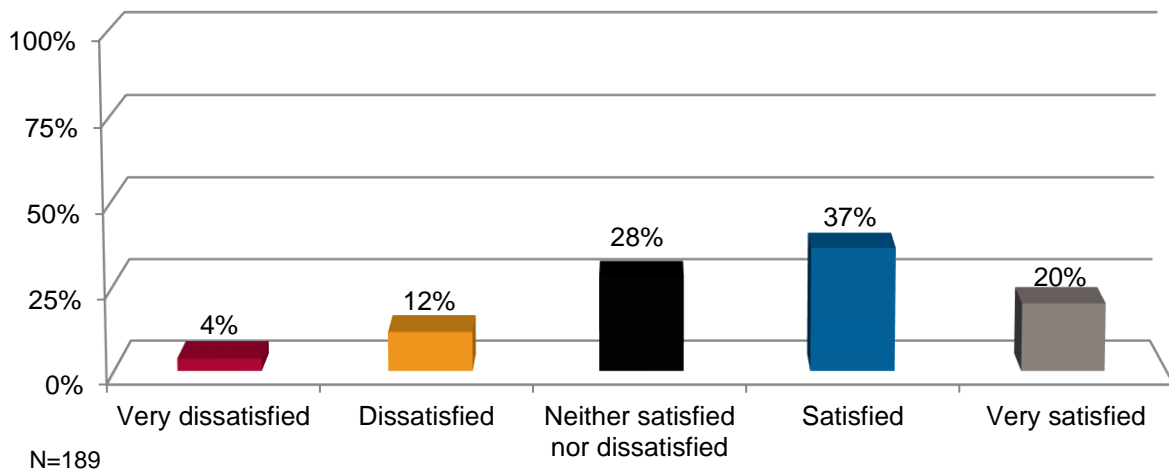
Rate yourself on each of the following traits as compared to the average person your age. We want the most accurate estimate of how you see yourself

	N	Mean	Lowest 10%	Below Average	Average	Above Average	Highest 10%
<i>Percentages</i>							
Academic ability	192	3.97	0.0	0.0	19.3	64.1	16.7
Mathematical ability	191	3.97	0.5	1.6	21.5	53.4	23.0
Ability to work with others that are different from you	191	3.76	0.0	4.2	33.0	45.0	17.8
Leadership ability	191	3.70	1.6	7.9	32.5	35.1	23.0
Motivation for college work	190	3.68	1.1	3.7	34.2	47.9	13.2
Self-confidence (related to intellectual or academic activities)	192	3.64	0.0	8.3	37.0	37.5	17.2
Ability to manage finances	191	3.62	0.5	8.9	37.7	33.5	19.4
Physical health	192	3.61	0.5	10.4	35.4	34.9	18.8
Emotional health	191	3.46	3.1	14.7	33.0	31.4	17.8
Writing ability	192	3.31	0.5	10.4	52.1	31.3	5.7
Self-confidence (related to social activities)	191	3.27	4.2	19.4	37.2	24.1	15.2
Ability to seek out appropriate academic help	191	3.24	2.6	17.8	39.8	32.5	7.3
Study skills	192	3.01	2.6	27.6	40.6	24.5	4.7

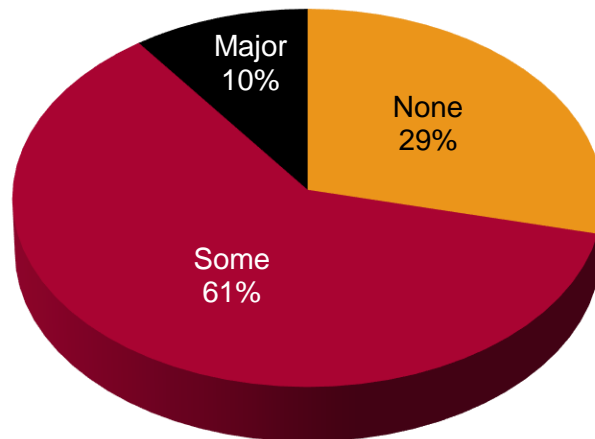
1=Lowest 10%, 2=Below Average, 3=Average, 4=Above Average, 5=Highest 10%
 Rank ordered by means

FINANCING COLLEGE

How satisfied are you with the amount of financial support (from grants, loans, family members, jobs, or all other sources) you've received so far?



Do You Have Any Concerns About Your Ability to Finance Your College Education?



N=188

HOURS PLANNED TO SPEND ON ACTIVITIES

About how many hours do you plan to spend in a typical 7-day week during your first year at IUPUI doing each of the following?									
	N	0	1-5	6-10	11-15	16-20	21-25	26-30	More than 30
<i>Percentages</i>									
Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	189	0.5	5.8	13.2	21.7	22.8	15.9	10.1	10.1
Working for pay on campus	188	43.6	6.4	14.9	17.0	10.1	3.2	2.7	2.1
Working for pay off campus	188	45.7	4.8	10.1	10.6	13.8	7.4	3.2	4.3
Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	187	7.5	23.5	40.6	16.6	7.5	2.1	0.5	1.6
Commuting to class (driving, walking, etc.)	189	12.7	53.4	15.3	5.3	6.3	3.2	0.5	3.2
Relaxing and socializing (watching TV, partying, etc.)	187	0.5	17.6	38.5	20.3	13.9	3.2	2.7	3.2
Providing care for dependents living with you (parents, children, spouse, etc.)	184	63.6	17.9	8.7	2.7	2.2	2.2	1.6	1.1
Taking care of household responsibilities	187	15.5	52.4	18.7	3.7	4.3	1.6	2.7	1.1
Engaging in volunteer activities	186	19.9	46.2	23.1	4.3	2.2	0.5	2.2	1.6
Interacting with on-line social networks (Facebook, Instagram, Twitter, etc.)	187	12.8	51.3	19.3	4.8	4.3	2.7	2.1	2.7

ANTICIPATED SUCCESS, INVOLVEMENT, AND ENGAGEMENT IN HIGH IMPACT PRACTICES

What is your best guess as to the chances you will:						
	N	Mean	No Chance	Very Little Chance	Some Chance	Very Good Chance
<i>Percentages</i>						
Be satisfied with college life	187	3.54	2.1	3.2	33.2	61.5
Make good choices for personal health (healthy eating, lifestyle, etc.)	184	3.41	2.7	8.2	38.6	50.5
Participate in an internship, co-op, field experience, practicum, student teaching, or clinical placement	184	3.37	2.7	6.0	38.6	52.7
Participate in events or activities on campus	186	3.27	4.3	7.5	44.6	43.5
Exercise on campus	184	3.24	5.4	12.5	34.8	47.3
Experience stress balancing work and school related responsibilities	187	3.15	3.2	14.4	46.5	35.8
Participate in student clubs/groups	185	3.15	3.2	13.5	48.1	35.1
Work on a research project with a professor	183	3.06	2.2	15.8	55.7	26.2
Get tutoring or peer mentoring help in specific courses	184	2.95	3.3	21.7	51.6	23.4
Experience stress balancing family and school related responsibilities	187	2.84	8.6	22.5	45.5	23.5
Participate in service learning or community service	184	2.71	9.2	26.1	48.9	15.8
Participate in study abroad or international travel related to school	184	2.63	17.9	26.6	29.9	25.5
Enroll in courses during the summer	184	2.53	8.7	38.0	45.1	8.2
Experience feelings of homesickness	187	2.21	26.2	35.3	29.9	8.6
Change career choice	186	2.12	19.4	51.1	27.4	2.2
Change major field	187	2.06	20.3	55.1	22.5	2.1

1=No Chance, 2=Very Little Chance, 3=Some Chance, 4=Very Good Chance
Rank ordered by means

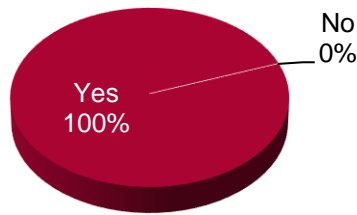
DECISIONS TO ATTEND IUPUI

In making a decision to choose IUPUI or transfer to IUPUI from another institution, please rate how important the following factors were:

	N	Mean	Not Important	Somewhat Important	Moderately Important	Very Important	Extremely Important
	Percentages						
Opportunity for an IU or Purdue Degree	176	4.02	2.3	6.8	19.3	30.1	41.5
Availability of specific academic programs (majors)	176	3.93	1.7	5.1	24.4	36.4	32.4
Graduates get good jobs	178	3.92	5.6	3.9	16.9	39.9	33.7
Availability of financial aid/scholarship	175	3.82	3.4	9.1	22.9	30.9	33.7
Job, career, and internship opportunities available in Indianapolis while attending school	176	3.79	4.5	6.3	23.3	37.5	28.4
Career and job opportunities available in Indianapolis after I complete my degree	176	3.74	6.8	6.3	26.1	27.3	33.5
Cost	178	3.67	3.9	7.3	30.3	34.3	24.2
IUPUI's reputation	175	3.39	6.9	12.0	34.9	28.0	18.3
Social Climate/Activities at the College	176	3.15	13.1	10.2	38.1	26.1	12.5
A visit to campus	173	3.03	15.6	15.6	31.8	24.3	12.7
Social opportunities associated with IUPUI located in city of Indianapolis	178	3.02	13.5	15.7	37.1	23.0	10.7
Type of housing available on campus	173	2.77	22.5	13.9	37.6	16.2	9.8
Size of IUPUI	177	2.61	25.4	16.4	36.2	15.8	6.2
Wanted to live near home	178	2.60	29.2	15.2	32.6	12.9	10.1
Change in financial situation	172	2.49	37.2	12.2	25.0	15.7	9.9
My parents/relatives wanted me to attend	172	2.34	38.4	13.4	29.1	14.5	4.7
Change in family situation	172	2.30	45.3	9.3	24.4	12.2	8.7
Advisor or guidance counselor recommendation	172	2.20	43.0	15.1	26.2	9.9	5.8
Ability to live at home while attending college	178	2.17	53.4	7.3	18.5	10.1	10.7
Academic difficulty at previous institution or high school	171	2.10	50.3	11.7	21.6	10.5	5.8
Resources available for underserved students (LGBTQ, students with disabilities, students of color, veterans, older students, transfer students, etc.)	177	2.06	50.3	14.7	20.9	7.3	6.8

1=Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important
Rank ordered by means

Have you chosen a major?



STUDENTS WHO HAVE CHOSEN A MAJOR FACTORS WHEN CHOOSING MAJOR

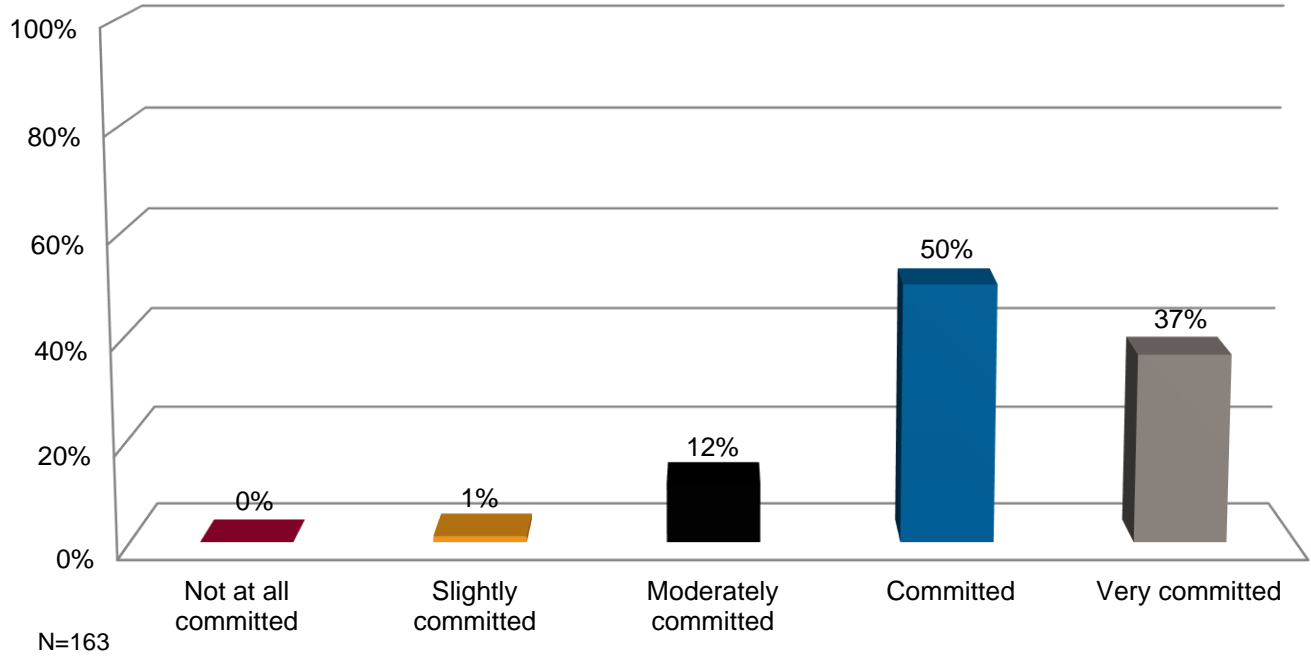
In making a decision to choose your current major, please rate how important the following factors were*:							
	N	Mean	Not Important	Somewhat Important	Moderately Important	Very Important	Extremely Important
<i>Percentages of Students who have chosen major</i>							
Major is aligned with my interests	165	4.32	1.2	3.6	12.7	26.7	55.8
Major is aligned with my skills and abilities	165	4.22	0.6	2.4	16.4	35.2	45.5
Graduates get good jobs	165	4.10	4.8	3.6	15.8	28.5	47.3
Availability of jobs in the field	165	4.15	3.6	3.6	17.0	26.1	49.7
Major is aligned with the lifestyle I would like to have	165	4.07	1.2	4.2	21.8	31.5	41.2
Major is aligned with my personality	164	3.95	1.2	4.9	26.8	31.7	35.4
Starting salaries are high	165	3.96	3.6	3.0	25.5	29.7	38.2
Major makes people like me feel welcome	164	3.50	8.5	9.1	29.3	29.9	23.2
Good grades in previous courses	163	3.64	4.3	4.9	33.7	36.8	20.2
High school classes or college classes that spark my interest or awareness	163	3.90	2.5	4.9	23.3	39.3	30.1
Media (TV, social media, newspapers, commercials, movies) that spark my interest or awareness	163	2.84	15.3	25.2	32.5	14.1	12.9
IUPUI specific communications that sparked my interest or awareness	161	2.72	23.6	18.0	30.4	18.6	9.3
Advisor or guidance counselor recommendation	162	2.56	32.1	13.6	31.5	12.3	10.5
My parents/relatives recommendation	162	2.87	21.6	12.3	34.0	21.6	10.5
My friends recommendation	162	2.46	35.8	13.0	29.0	14.2	8.0

1=Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important

* Of those who indicated they have chosen a major

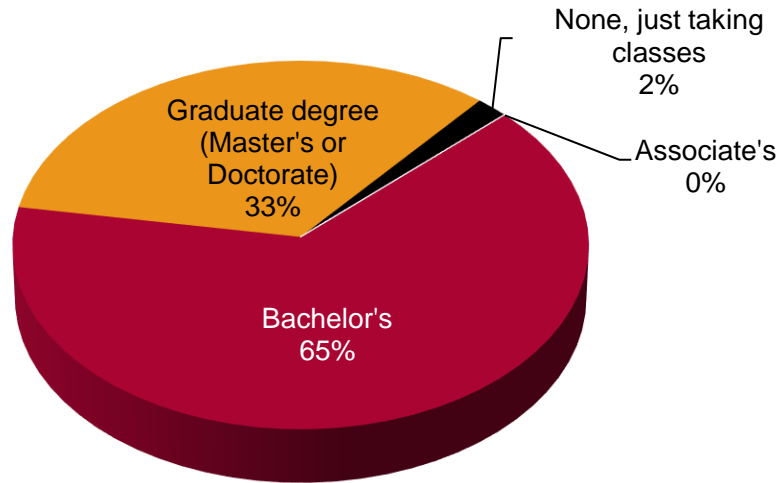
Rank ordered by means

How committed are you to your current major?

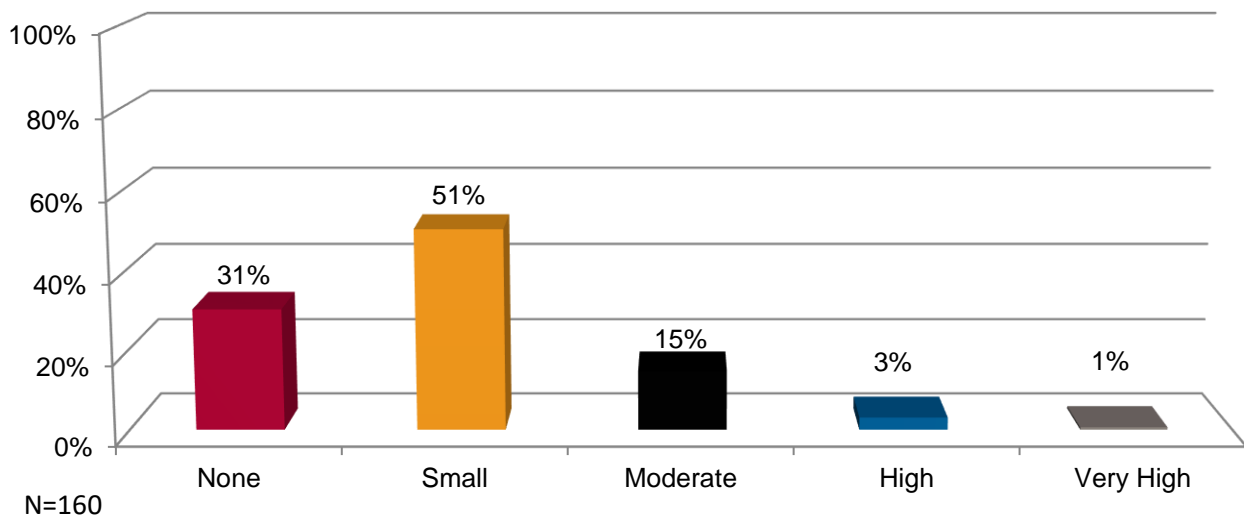


ACADEMIC FUTURE

What is the highest college degree you expect to obtain?

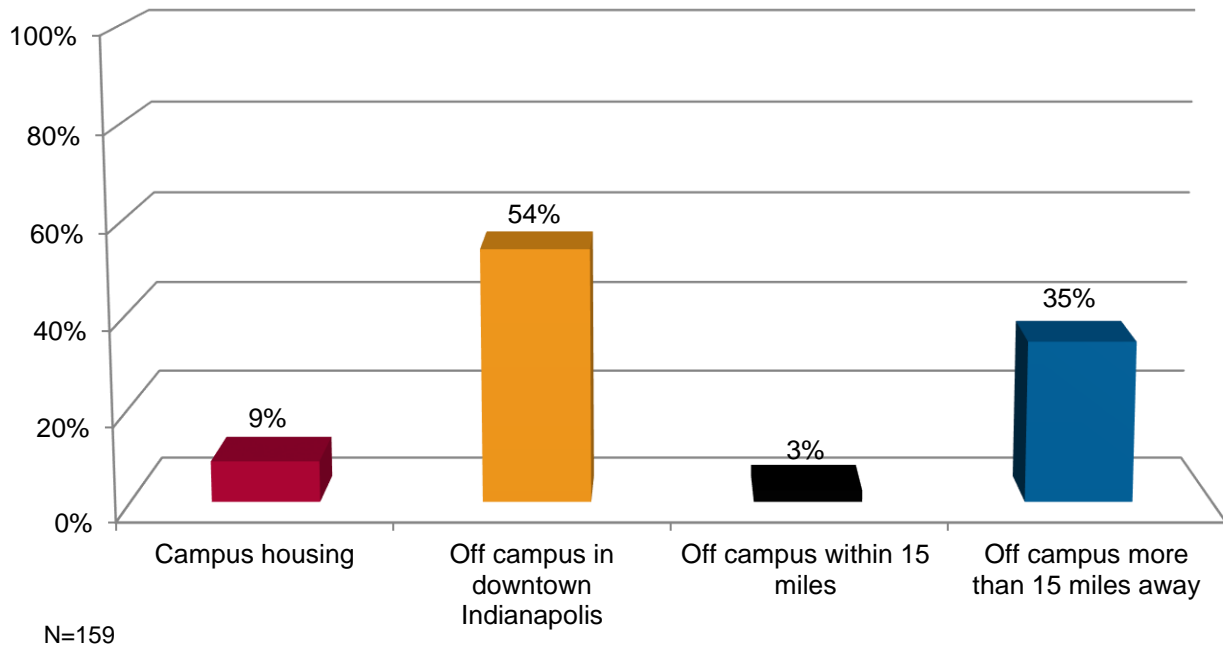


What is the likelihood that you will transfer from IUPUI to another college?

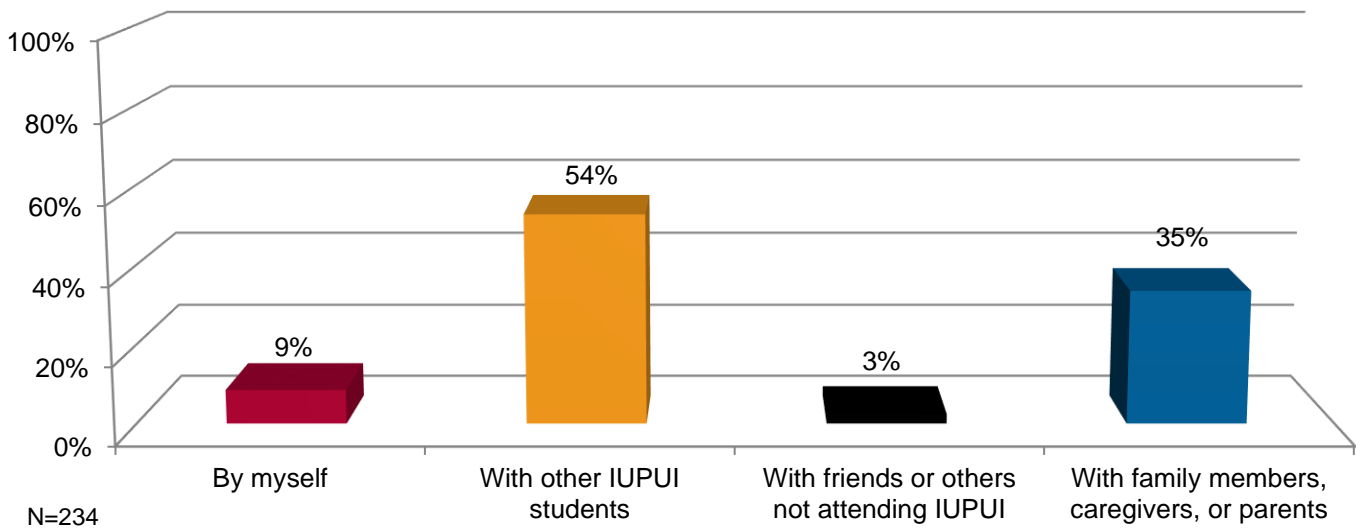


EXPECTED LIVING SITUATION

Where do you plan to live for your first year?



Which best describes your expected living situation during your first year?



SCHOOL OF ENGINEERING AND TECHNOLOGY PRE-MAJORS DEMOGRAPHICS

Residency	Engineering Pre-Majors Respondents		All Engineering Pre-Majors	
	N	Percentage	N	Percentage
Indiana Resident	68	90.7	171	88.6
Non-Resident	7	9.3	22	11.4
Gender				
Female	15	20.0	41	21.2
Male	60	80.0	152	78.8
Age				
Under 19	75	100.0	177	91.7
20-25	0	0.0	15	7.8
Over 25	0	0.0	1	0.5
Ethnicity				
White	43	57.3	107	55.7
Hispanic/Latino	11	14.7	27	14.1
Black/African American	10	13.3	23	12.0
American Indian/Alaska Native	0	0.0	1	0.5
Asian	7	9.3	17	8.9
Native Hawaiian/Pacific Island	0	0.0	0	0.0
International	1	1.3	7	3.6
Two or More Races	3	4.0	10	5.2
Financial Information				
Received Pell Grant first Fall semester (preliminary)	28	37.3	84	43.5
Housing				
Living On-Campus	30	40.0	61	31.6

SENSE OF BELONGING

Please rate how much you agree with each statement									
	N	Mean	Strongly Disagree	Moderately Disagree	Slightly Disagree	Neither Disagree nor Agree	Slightly Agree	Moderately Agree	Strongly Agree
			<i>Percentages</i>						
The IUPUI campus community has made me feel welcomed	74	5.97	4.1	1.4	0.0	4.1	25.7	8.1	56.8
I feel that I fight right in on campus	75	5.45	4.0	0.0	5.3	10.7	29.3	18.7	32.0
I feel connected with other IUPUI students	75	5.43	4.0	1.3	4.0	10.7	33.3	12.0	34.7
I see myself as part of the IUPUI community	75	5.37	5.3	2.7	2.7	8.0	34.7	13.3	33.3
I feel that I am a member of the IUPUI community	75	5.36	4.0	2.7	1.3	9.3	36.0	21.3	25.3
I feel a sense of belonging to IUPUI	75	5.27	4.0	2.7	0.0	9.3	46.7	14.7	22.7

1=Strongly Disagree, 2=Moderately Disagree, 3=Slightly Disagree, 4=Neither Disagree nor Agree, 5=Slightly Agree, 6=Moderately Agree, 7=Strongly Agree
Rank ordered by means

COMMITMENT TO IUPUI

Please rate how much you agree with each statement									
	N	Mean	Strongly Disagree	Moderately Disagree	Slightly Disagree	Neither Disagree nor Agree	Slightly Agree	Moderately Agree	Strongly Agree
			<i>Percentages</i>						
I am proud to tell others I am going to school here	75	5.63	4.0	2.7	2.7	8.0	28.0	9.3	45.3
I am extremely glad that I chose IUPUI over other colleges	75	5.59	5.3	4.0	0.0	10.7	18.7	20.0	41.3
It is important for me to graduate from IUPUI (e.g., rather than from another college)	75	5.55	4.0	4.0	6.7	9.3	14.7	17.3	44.0
I feel a sense of IUPUI jaguar pride	75	5.23	5.3	2.7	4.0	13.3	28.0	20.0	26.7
IUPUI was my first choice of colleges that I was accepted to or considered applying to	75	4.96	8.0	6.7	10.7	12.0	13.3	17.3	32.0

1=Strongly Disagree, 2=Moderately Disagree, 3=Slightly Disagree, 4=Neither Disagree nor Agree, 5=Slightly Agree, 6=Moderately Agree, 7=Strongly Agree
Rank ordered by means

SENSE OF GRIT AND PERSEVERANCE

Please rate how true each statement is about you							
	N	Mean	1-Not at all like me	2	3 <i>Percentages</i>	4	5-Very much like me
I am a hard worker ¹	71	4.49	1.4	0.0	8.5	28.2	62.0
I finish whatever I begin ¹	72	4.04	0.0	4.2	23.6	36.1	36.1
I am diligent ¹	71	4.01	0.0	4.2	26.8	32.4	36.6
Setbacks don't discourage me ¹	72	3.68	1.4	12.5	26.4	36.1	23.6
New ideas and projects sometimes distract me from previous ones ²	72	2.97	13.9	23.6	30.6	15.3	16.7
I often set a goal but later choose to pursue a different one ²	72	2.60	12.5	37.5	34.7	8.3	6.9
I have difficulty maintaining my focus on projects that take more than a few months to complete ²	72	2.42	31.9	23.6	25.0	9.7	9.7
I focus on a certain idea or project for a short time but lose interest later ²	72	2.36	27.8	29.2	27.8	9.7	5.6

1=Not at all like me, 2=2, 3=3, 4=4, 5=Very much like me

¹ These 4 items make up the Perseverance of Effort construct analyzed in the comparison section of the report

¹ A lower mean on Consistency of Interest indicates higher GRIT consistency of effort.

² These 4 items make up the Consistency of Interest construct analyzed in the comparisons section of the report

Rank ordered by means

¹ Duckworth, A. L. & Quinn, P. D. (2009). Development and validation of the Short Grit Scale (Grit-S). *Journal of Personality Assessment*, 91(2), 166-174.



SELF-EFFICACY RATINGS

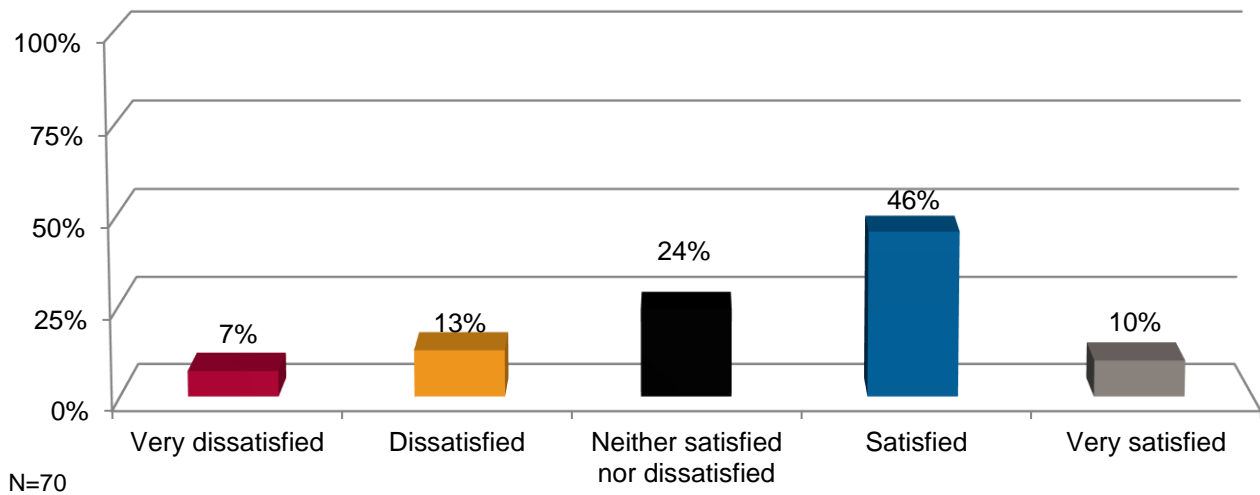
Rate yourself on each of the following traits as compared to the average person your age. We want the most accurate estimate of how you see yourself

	N	Mean	Lowest 10%	Below Average	Average	Above Average	Highest 10%
<i>Percentages</i>							
Ability to work with others that are different from you	70	3.87	1.4	1.4	27.1	48.6	21.4
Leadership ability	69	3.77	1.4	11.6	20.3	42.0	24.6
Self-confidence (related to social activities)	69	3.75	1.4	7.2	31.9	33.3	26.1
Motivation for college work	70	3.66	0.0	2.9	42.9	40.0	14.3
Physical health	70	3.63	2.9	5.7	38.6	31.4	21.4
Emotional health	70	3.63	1.4	10.0	32.9	35.7	20.0
Self-confidence (related to intellectual or academic activities)	70	3.63	0.0	11.4	31.4	40.0	17.1
Academic ability	70	3.53	1.4	0.0	47.1	47.1	4.3
Ability to seek out appropriate academic help	70	3.51	0.0	17.1	30.0	37.1	15.7
Mathematical ability	69	3.43	0.0	8.7	46.4	37.7	7.2
Ability to manage finances	70	3.20	2.9	18.6	41.4	30.0	7.1
Writing ability	70	3.17	0.0	17.1	51.4	28.6	2.9
Study skills	70	3.09	2.9	11.4	62.9	20.0	2.9

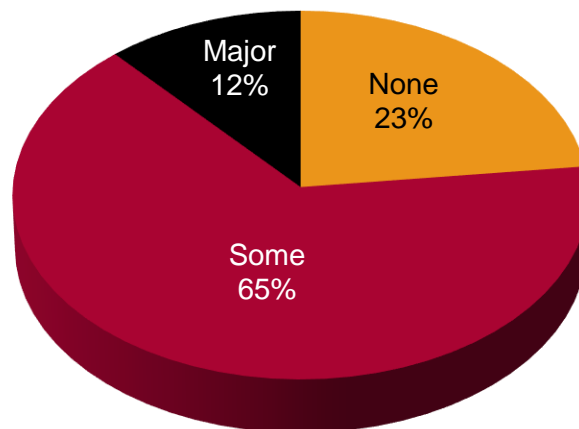
1=Lowest 10%, 2=Below Average, 3=Average, 4=Above Average, 5=Highest 10%
Rank ordered by means

FINANCING COLLEGE

How satisfied are you with the amount of financial support (from grants, loans, family members, jobs, or all other sources) you've received so far?



Do you have concerns about your ability to finance your college education?



N=69

HOURS PLANNED TO SPEND ON ACTIVITIES

About how many hours do you plan to spend in a typical 7-day week during your first year at IUPUI doing each of the following?									
	N	0	1-5	6-10	11-15	16-20	21-25	26-30	More than 30
	<i>Percentages</i>								
Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	68	1.5	7.4	20.6	19.1	22.1	17.6	8.8	2.9
Working for pay on campus	68	35.3	8.8	13.2	20.6	14.7	4.4	2.9	0.0
Working for pay off campus	67	29.9	13.4	10.4	14.9	17.9	7.5	6.0	0.0
Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	68	5.9	41.2	23.5	20.6	7.4	1.5	0.0	0.0
Commuting to class (driving, walking, etc.)	68	11.8	47.1	22.1	10.3	5.9	1.5	1.5	0.0
Relaxing and socializing (watching TV, partying, etc.)	66	4.5	34.8	31.8	7.6	12.1	1.5	4.5	3.0
Providing care for dependents living with you (parents, children, spouse, etc.)	66	43.9	31.8	10.6	3.0	4.5	1.5	0.0	4.5
Taking care of household responsibilities	66	16.7	40.9	24.2	7.6	3.0	3.0	1.5	3.0
Engaging in volunteer activities	66	15.2	47.0	18.2	10.6	6.1	0.0	1.5	1.5
Interacting with on-line social networks (Facebook, Instagram, Twitter, etc.)	66	9.1	53.0	16.7	3.0	6.1	4.5	3.0	4.5

**ANTICIPATED SUCCESS, INVOLVEMENT,
AND ENGAGEMENT IN HIGH IMPACT PRACTICES**

What is your best guess as to the chances you will:						
	N	Mean	No Chance	Very Little Chance	Some Chance	Very Good Chance
<i>Percentages</i>						
Make good choices for personal health (healthy eating, lifestyle, etc.)	63	3.37	0.0	7.9	47.6	44.4
Be satisfied with college life	65	3.34	1.5	4.6	52.3	41.5
Get tutoring or peer mentoring help in specific courses	64	3.16	0.0	12.5	59.4	28.1
Participate in an internship, co-op, field experience, practicum, student teaching, or clinical placement	64	3.14	3.1	10.9	54.7	31.3
Exercise on campus	64	3.11	6.3	15.6	39.1	39.1
Experience stress balancing work and school related responsibilities	66	3.06	1.5	21.2	47.0	30.3
Participate in events or activities on campus	65	3.03	0.0	20.0	56.9	23.1
Participate in student clubs/groups	65	2.97	0.0	21.5	60.0	18.5
Work on a research project with a professor	64	2.95	1.6	15.6	68.8	14.1
Experience stress balancing family and school related responsibilities	66	2.83	3.0	28.8	50.0	18.2
Participate in service learning or community service	64	2.77	4.7	29.7	50.0	15.6
Enroll in courses during the summer	63	2.63	1.6	46.0	39.7	12.7
Participate in study abroad or international travel related to school	64	2.45	20.3	25.0	43.8	10.9
Change major field	66	2.12	19.7	50.0	28.8	1.5
Change career choice	66	2.08	22.7	51.5	21.2	4.5
Experience feelings of homesickness	66	2.06	37.9	27.3	25.8	9.1

1=No Chance, 2=Very Little Chance, 3=Some Chance, 4=Very Good Chance
Rank ordered by means

DECISIONS TO ATTEND IUPUI

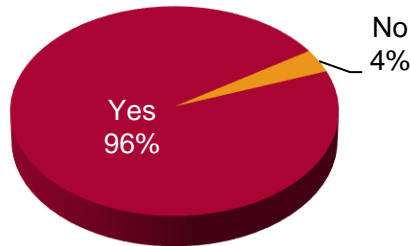
In making a decision to choose IUPUI or transfer to IUPUI from another institution, please rate how important the following factors were:

	N	Mean	Not Important	Somewhat Important	Moderately Important	Very Important	Extremely Important
	<i>Percentages</i>						
Opportunity for and IU or Purdue Degree	57	4.23	0.0	3.5	19.3	28.1	49.1
Graduates get good jobs	60	4.08	1.7	3.3	20.0	35.0	40.0
Availability of financial aid/scholarship	58	3.90	1.7	5.2	25.9	36.2	31.0
Availability of specific academic programs (majors)	58	3.86	0.0	5.2	29.3	39.7	25.9
Career and job opportunities available in Indianapolis after I complete my degree	58	3.81	3.4	6.9	24.1	36.2	29.3
Job, career, and internship opportunities available in Indianapolis while attending school	58	3.76	1.7	8.6	24.1	43.1	22.4
Cost	60	3.62	5.0	13.3	21.7	35.0	25.0
IUPUI's reputation	58	3.53	5.2	10.3	31.0	32.8	20.7
Social Climate/Activities at the College	58	3.40	5.2	13.8	29.3	39.7	12.1
A visit to campus	55	3.36	9.1	14.5	21.8	40.0	14.5
Social opportunities associated with IUPUI located in city of Indianapolis	60	3.33	6.7	15.0	30.0	35.0	13.3
Wanted to live near home	60	3.08	23.3	8.3	21.7	30.0	16.7
Change in financial situation	56	2.89	17.9	17.9	30.4	25.0	8.9
Size of IUPUI	60	2.88	18.3	13.3	35.0	28.3	5.0
Ability to live at home while attending college	60	2.82	31.7	11.7	16.7	23.3	16.7
Type of housing available on campus	55	2.80	21.8	18.2	27.3	23.6	9.1
Resources available for underserved students (LGBTQ, students with disabilities, students of color, veterans, older students, transfer students, etc.)	60	2.73	26.7	16.7	25.0	20.0	11.7
Academic difficulty at previous institution or high school	56	2.70	28.6	12.5	26.8	25.0	7.1
Change in family situation	55	2.69	27.3	18.2	23.6	20.0	10.9
Advisor or guidance counselor recommendation	56	2.63	25.0	17.9	32.1	19.6	5.4
My parents/relatives wanted me to attend	56	2.50	35.7	12.5	25.0	19.6	7.1

1=Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important

Rank ordered by means

Have you chosen a major?



N=56

STUDENTS WHO HAVE CHOSEN A MAJOR

In making a decision to choose your current major, please rate how important the following factors were*:

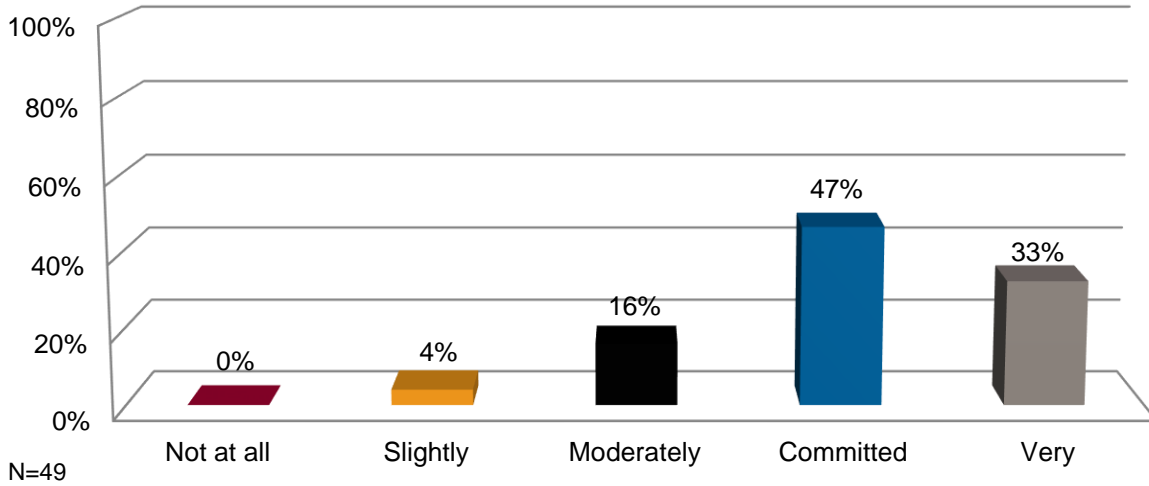
	N	Mean	Not Important	Somewhat Important	Moderately Important	Very Important	Extremely Important
<i>Percentages of Students who have chosen major</i>							
Major is aligned with my interests	53	4.17	1.9	3.8	11.3	41.5	41.5
Major is aligned with the lifestyle I would like to have	53	4.17	0.0	1.9	13.2	50.9	34.0
Graduates get good jobs	54	4.13	0.0	1.9	18.5	44.4	35.2
Major is aligned with my skills and abilities	53	4.13	0.0	3.8	13.2	49.1	34.0
Availability of jobs in the field	54	4.11	1.9	0.0	14.8	51.9	31.5
Major is aligned with my personality	52	4.08	0.0	3.8	15.4	50.0	30.8
Starting salaries are high	53	3.94	0.0	3.8	22.6	49.1	24.5
Major makes people like me feel welcome	53	3.94	0.0	3.8	24.5	45.3	26.4
High school classes or college classes that spark my interest or awareness	51	3.67	3.9	3.9	33.3	39.2	19.6
Good grades in previous courses	51	3.61	3.9	3.9	37.3	37.3	17.6
IUPUI specific communications that sparked my interest or awareness	51	3.22	13.7	7.8	33.3	33.3	11.8
Media (TV, social media, newspapers, commercials, movies) that spark my interest or awareness	51	3.18	5.9	17.6	37.3	31.4	7.8
My parents/relatives recommendation	51	3.16	17.6	17.6	15.7	29.4	19.6
Advisor or guidance counselor recommendation	51	3.08	21.6	9.8	21.6	33.3	13.7
My friends recommendation	51	2.75	27.5	9.8	31.4	23.5	7.8

1=Not Important, 2=Somewhat Important, 3=Moderately Important, 4=Very Important, 5=Extremely Important

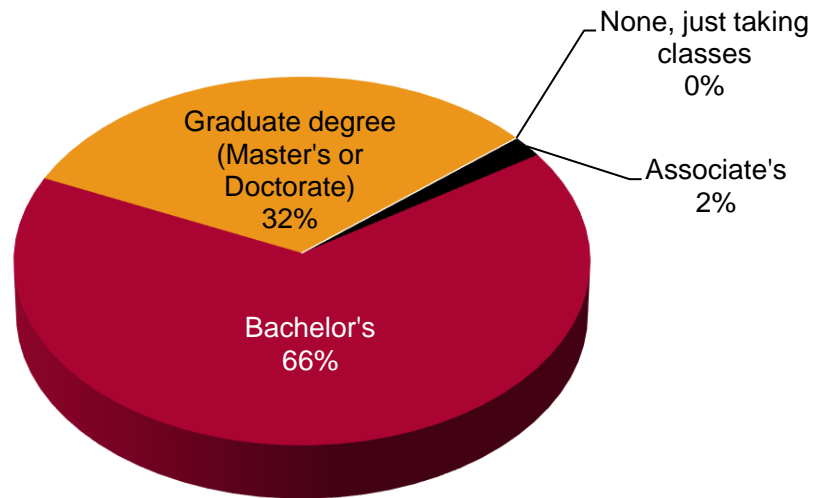
* Of those who indicated they have chosen a major

Rank ordered by means

How committed are you to your current major?

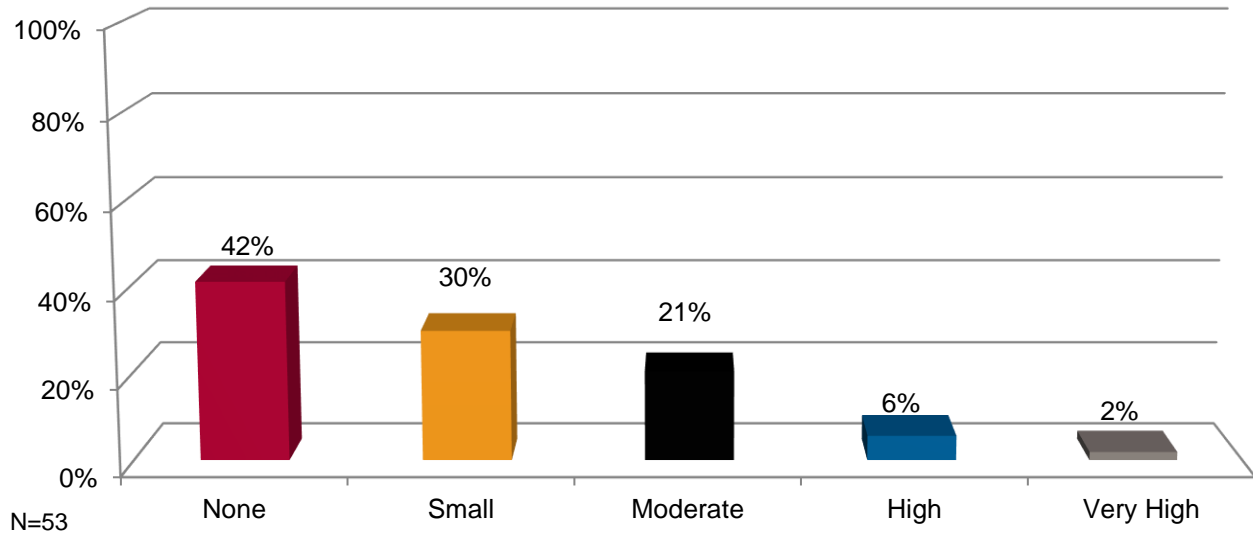


What is the highest college degree you expect to obtain?



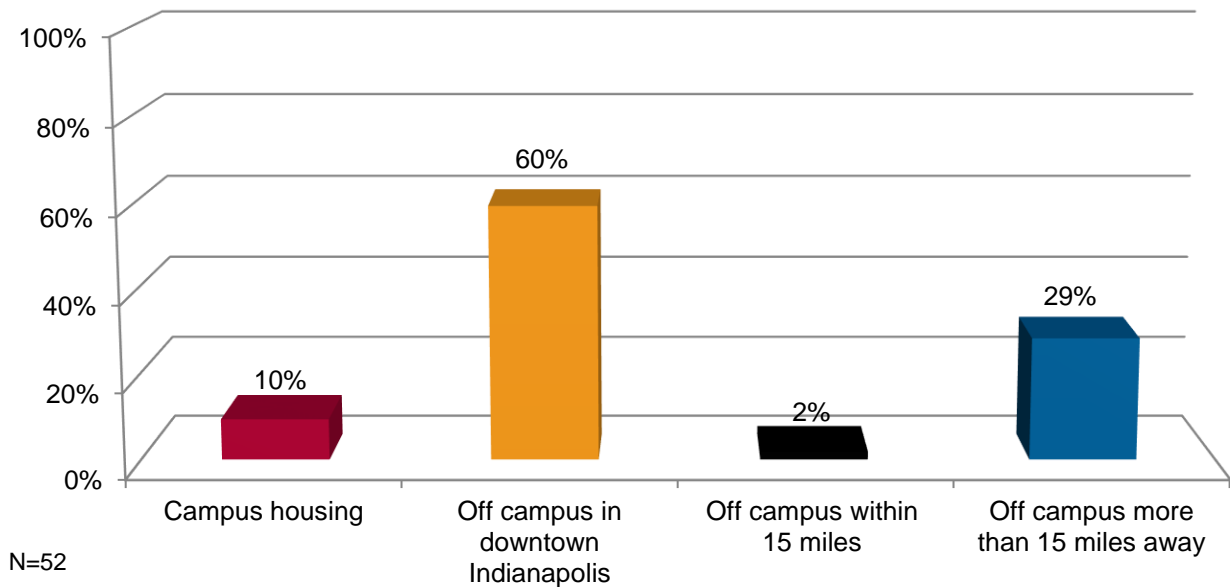
N=53

What is the likelihood that you will transfer from IUPUI to another college?

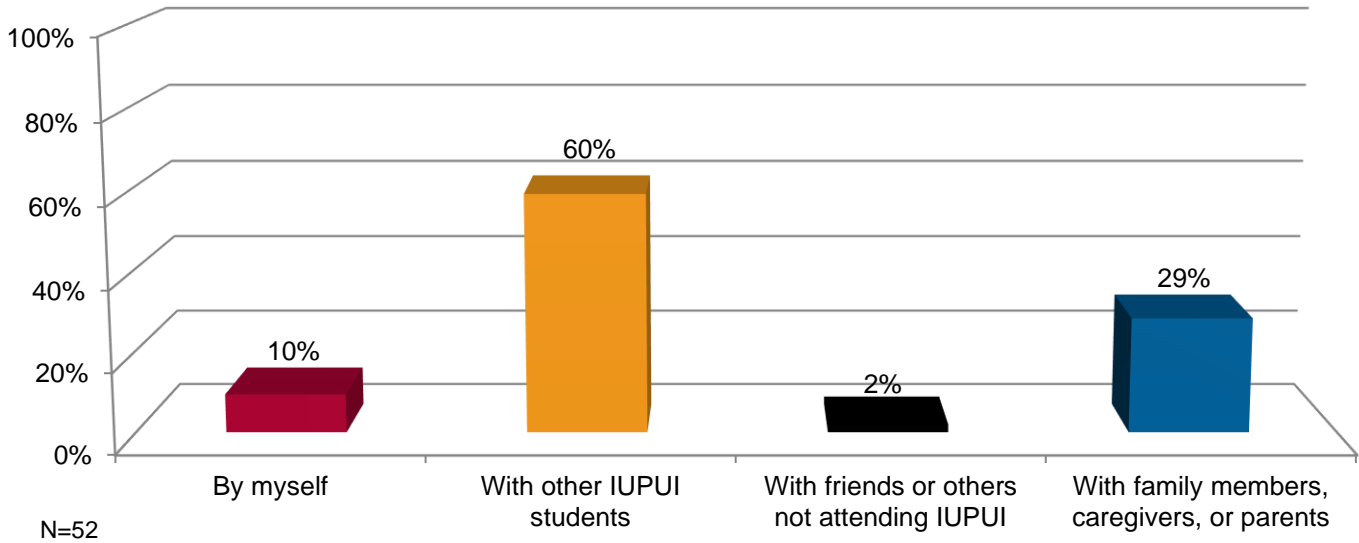


EXPECTED LIVING SITUATION

Where do you plan to live for your first year?



Which best describes your expected living situation during your first year?



*Prepared by
Jessicah Rauch
(Institutional Research and Decision Support)*

