

**Results of the Alumni Survey for
2004-2005 Undergraduate Degree Recipients**

for

School of Science

**Alumni Profile
and
Comparative Analysis**

Prepared by the Office of Information Management and Institutional Research

11/30/2006

Alumni Profile

Several charts on the following pages display "floating bars" that represent a 95% confidence interval for the population mean based on the sample of survey respondents. Specifically, the starting point of the bar represents the sample mean minus approximately 2 standard error units and the length of the bar represents approximately 4 standard error units (see technical note below for further details).

The floating bars give you a sense of how reliably the sample mean can be generalized to the population that these data are supposed to represent; that is, 2004-2005 graduates. The width of the bar generally increases if the sample size decreases or the variation in answers to the item increases. More narrow bars would then occur for items with a larger number of respondents or smaller variation among responses.

The floating bars are particularly useful in comparing differences across items. If the bars overlap, then the apparent differences in means are not statistically significant. If the bars do not overlap, then the difference is statistically significant at the $p < .05$ level. The reader should note that this is a somewhat conservative test of statistical significance, as explained further in the following technical note.

Technical Note

The mean confidence interval uses the t-value associated with a probability level of 0.05 and the degrees of freedom appropriate to each item (i.e., $n - 1$). For example, for an item with 1000 respondents ($df = 999$), the corresponding t-value is 1.9623. The mean minus the standard error (standard deviation divided by the square root of the number of respondents) is the starting point for the bar, and $2 \times 1.9623 \times$ the standard error is the width of the bar.

Since the item confidence intervals are based on item standard errors, using the non-overlap of bars as an indication of a statistically significant difference is more conservative than a t-test between the two items. This is because the corresponding t-test would employ a pooled estimate of the standard error which would generally be lower than the individual item standard errors. The conservativeness of this test is more than offset by the large number of items that one can compare across this survey. Therefore, readers should still interpret these differences conservatively.

The results for the following Alumni profile are tabulated using the responses from School of Science Alumni.

Employment

Current Employment Status

	N	%	
Working full- or part-time	48	76%	
Not working but looking for work	2	3%	
Not working and not looking	13	21%	
On active duty in the armed forces	0	0%	
Total	63	100%	

Working in Indiana

	N	%	
Yes	44	92%	
No	4	8%	

The remaining tables and charts in the employment section pertain to those who currently work full- or part-time.

Hours Worked

	N	%	
Working full-time (35+ hours)	41	77%	
Working part-time	12	23%	
Average hours/week worked	39.2		

Worked with Current Employer Six Months Prior to Receiving Degree

	N	%	
Yes	26	49%	
No	27	51%	
<i>If yes, a raise or promotion received?</i>			
Yes	10	37%	
No	17	63%	
<i>If no, did Alumni's first job after graduating require a college degree?</i>			
Yes	14	47%	
No	16	53%	
<i>If no, how many weeks to get the first new job after completing degree?</i>			
0 - 4	10	48%	
5 - 16	8	38%	
17 - 24	3	14%	
25 - 52	0	0%	
Over 52	0	0%	

How Closely Does Current Job Relate to Major

	N	%	
Directly Related	20	38%	
Somewhat Related	15	29%	
Not Related	17	33%	

How Well IUPUI Education Prepared Alumni for Current Job

	N	%
Very Well	17	32%
Somewhat Well	25	47%
Not at all Well	11	21%

How Well IUPUI Education Has Enhanced Future Prospects

	N	%
Very Well	28	52%
Somewhat Well	25	46%
Not at all Well	1	2%

Current Salary

	N	%
\$50,000 or above	14	32%
\$45,000 to \$49,999	2	5%
\$40,000 to \$44,999	8	18%
\$35,000 to \$39,999	3	7%
\$30,000 to \$34,999	6	14%
\$25,000 to \$29,999	4	9%
\$20,000 to \$24,999	6	14%
Under \$20,000	1	2%

Median salary range is bolded.

Reported salaries are of respondents working full-time.

Internship Experience

Participated in an Internship or Co-op Program

	N	%
Yes	12	18%
No	54	82%
<i>If yes, did you end up taking a job after you completed your degree with the organization in which you had the internship/co-op?</i>		
Yes	0	0%
No	12	100%
<i>Did your internship or co-op experience enhance your prospects for getting a desirable job after completing your degree?</i>		
Yes	8	67%
No	4	33%
<i>If no, which of the factors influenced your decision not to participate in an internship or co-op program?*</i>		
Did not want to give up current job	27	50%
Could not find an internship or co-op program in my area of interest	12	22%
Family obligations made it difficult	22	41%

* Total may exceed 100 percent. Participants asked to choose all that apply.

Educational Pursuits

Current Educational Status

	N	%	
TOTAL ENROLLED	29	43%	
Enrolled full-time in degree prog.	23	34%	
Enrolled part-time in degree prog.	5	7%	
Enrolled in courses only	1	1%	
Not presently enrolled but plan to	27	40%	
Not presently enrolled, no plans to	11	16%	

The remaining tables and charts in the educational pursuits section pertain to those who are pursuing or have pursued an educational program since graduating.

Degree Sought

	N	%	
Certificate	0	0%	
Associate	0	0%	
Bachelor	4	17%	
Master	10	43%	
Doctorate	5	22%	
Professional Degree	4	17%	

Likelihood of Pursuing Education at IUPUI

	N	%	
Currently doing so	14	21%	
Very likely	10	15%	
Somewhat likely	23	35%	
Not very likely	19	29%	

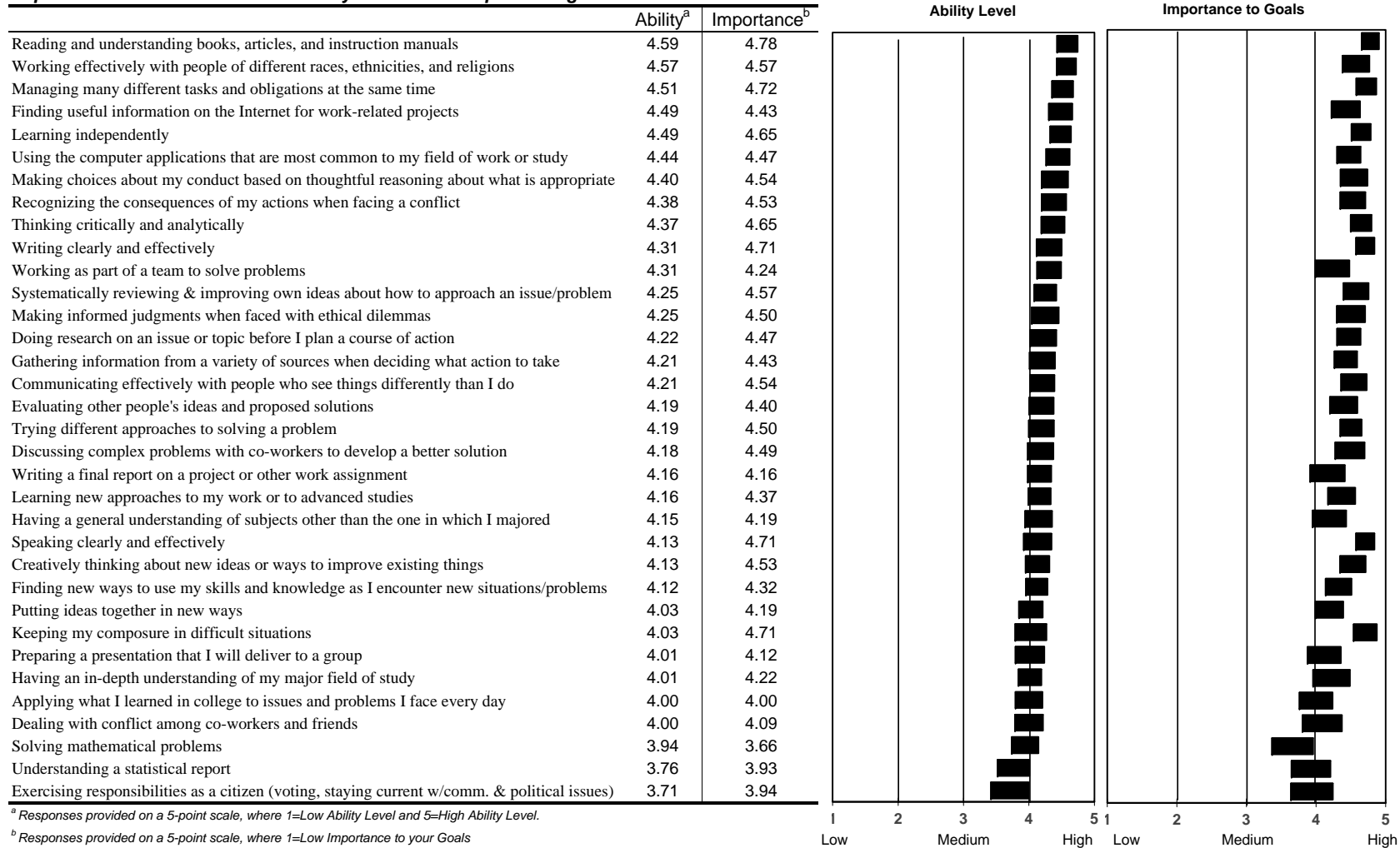
IUPUI Image

Would Alumni Encourage Someone Who Wanted to Attend IUPUI

	N	%	
Strongly encourage	23	34%	
Encourage	33	49%	
Neither encourage nor discourage	8	12%	
Discourage	2	3%	
Strongly discourage	2	3%	

Impact of IUPUI on Alumni Learning

Indicate your current ability level in each of the following areas and how important each of these abilities is to your career and personal goals.^{a,b}



^a Responses provided on a 5-point scale, where 1=Low Ability Level and 5=High Ability Level.

^b Responses provided on a 5-point scale, where 1=Low Importance to your Goals and 5=High Importance to your Goals.

^{a,b} Reported values are averages.

See next page for frequencies and percentages for these items.

Assessed Ability Level

<i>Indicate your current ability level in each of the following skills and knowledge areas:</i>	Number of Respondents					Percentage				
	Low Ability	Medium Ability	High Ability	Low Ability	Medium Ability	High Ability	Low Ability	Medium Ability	High Ability	
Reading and understanding books, articles, and instruction manuals	0	0	6	16	46	0%	0%	9%	24%	68%
Solving mathematical problems	0	3	17	29	19	0%	4%	25%	43%	28%
Using the computer applications that are most common to my field of work or study	0	1	7	21	39	0%	1%	10%	31%	57%
Finding useful information on the Internet for work-related projects	0	1	7	18	42	0%	1%	10%	26%	62%
Writing clearly and effectively	0	2	8	25	33	0%	3%	12%	37%	49%
Speaking clearly and effectively	0	3	13	24	28	0%	4%	19%	35%	41%
Working as part of a team to solve problems	0	1	9	26	32	0%	1%	13%	38%	47%
Preparing a presentation that I will deliver to a group	0	4	15	25	24	0%	6%	22%	37%	35%
Writing a final report on a project or other work assignment	0	1	11	32	24	0%	1%	16%	47%	35%
Understanding a statistical report	1	6	20	22	19	1%	9%	29%	32%	28%
Thinking critically and analytically	0	1	7	26	34	0%	1%	10%	38%	50%
Evaluating other people's ideas and proposed solutions	0	2	9	31	26	0%	3%	13%	46%	38%
Systematically reviewing & improving my own ideas about how to approach an issue or problem	0	1	7	34	26	0%	1%	10%	50%	38%
Creatively thinking about new ideas or ways to improve existing things	0	1	12	32	23	0%	1%	18%	47%	34%
Discussing complex problems with co-workers to develop a better solution	0	1	14	25	28	0%	1%	21%	37%	41%
Applying what I learned in college to issues and problems I face every day	0	4	12	32	20	0%	6%	18%	47%	29%
Gathering information from a variety of sources when deciding what action to take	0	2	10	28	28	0%	3%	15%	41%	41%
Finding new ways to use my skills & knowledge as I encounter new situations or problems	0	0	12	36	20	0%	0%	18%	53%	29%
Doing research on an issue or topic before I plan a course of action	0	3	8	28	29	0%	4%	12%	41%	43%
Putting ideas together in new ways	0	1	15	33	19	0%	1%	22%	49%	28%
Having a general understanding of subjects other than the one in which I majored	0	3	11	27	27	0%	4%	16%	40%	40%
Learning independently	0	0	6	23	39	0%	0%	9%	34%	57%
Learning new approaches to my work or to advanced studies	0	0	12	33	23	0%	0%	18%	49%	34%
Trying different approaches to solving a problem	0	2	10	29	27	0%	3%	15%	43%	40%
Managing many different tasks and obligations at the same time	0	0	6	21	41	0%	0%	9%	31%	60%
Having an in-depth understanding of my major field of study	0	0	17	33	18	0%	0%	25%	49%	26%
Dealing with conflict among co-workers and friends	1	2	14	30	21	1%	3%	21%	44%	31%
Working effectively with people of different races, ethnicities, and religions	0	0	4	21	43	0%	0%	6%	31%	63%
Communicating effectively with people who see things differently than I do	0	1	11	29	27	0%	1%	16%	43%	40%
Keeping my composure in difficult situations	1	3	17	19	28	1%	4%	25%	28%	41%
Exercising responsibilities as a citizen (voting, staying current w/community, & political issues)	5	3	21	17	22	7%	4%	31%	25%	32%
Making informed judgments when faced with ethical dilemmas	1	1	9	26	31	1%	1%	13%	38%	46%
Recognizing the consequences of my actions when facing a conflict	0	1	9	21	37	0%	1%	13%	31%	54%
Making choices about my conduct based on thoughtful reasoning about what is appropriate	1	0	9	19	39	1%	0%	13%	28%	57%

Importance to Goals

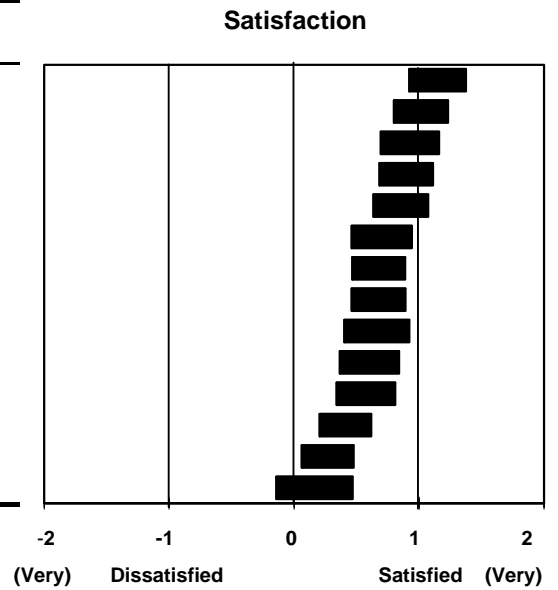
<i>Indicate how important your ability level is to your goals in each of the following skills and knowledge areas:</i>	Number of Respondents					Percentage				
	Low Importance	Medium Importance	High Importance	Low Importance	Medium Importance	High Importance	Low Importance	Medium Importance	High Importance	
Reading and understanding books, articles, and instruction manuals	0	0	3	9	56	0%	0%	4%	13%	82%
Solving mathematical problems	3	10	17	15	23	4%	15%	25%	22%	34%
Using the computer applications that are most common to my field of work or study	0	0	8	20	40	0%	0%	12%	29%	59%
Finding useful information on the Internet for work-related projects	1	1	7	18	41	1%	1%	10%	26%	60%
Writing clearly and effectively	0	0	3	14	51	0%	0%	4%	21%	75%
Speaking clearly and effectively	0	0	3	14	51	0%	0%	4%	21%	75%
Working as part of a team to solve problems	2	1	13	15	37	3%	1%	19%	22%	54%
Preparing a presentation that I will deliver to a group	0	6	11	20	31	0%	9%	16%	29%	46%
Writing a final report on a project or other work assignment	0	7	9	17	34	0%	10%	13%	25%	51%
Understanding a statistical report	2	8	10	20	27	3%	12%	15%	30%	40%
Thinking critically and analytically	0	0	5	14	49	0%	0%	7%	21%	72%
Evaluating other people's ideas and proposed solutions	1	0	8	21	38	1%	0%	12%	31%	56%
Systematically reviewing & improving my own ideas about how to approach an issue or problem	1	0	4	17	46	1%	0%	6%	25%	68%
Creatively thinking about new ideas or ways to improve existing things	1	0	5	18	44	1%	0%	7%	26%	65%
Discussing complex problems with co-workers to develop a better solution	1	2	5	15	45	1%	3%	7%	22%	66%
Applying what I learned in college to issues and problems I face every day	1	4	14	24	25	1%	6%	21%	35%	37%
Gathering information from a variety of sources when deciding what action to take	0	0	7	25	36	0%	0%	10%	37%	53%
Finding new ways to use my skills & knowledge as I encounter new situations or problems	0	0	12	22	34	0%	0%	18%	32%	50%
Doing research on an issue or topic before I plan a course of action	0	0	8	20	40	0%	0%	12%	29%	59%
Putting ideas together in new ways	0	2	11	27	28	0%	3%	16%	40%	41%
Having a general understanding of subjects other than the one in which I majored	0	6	10	17	35	0%	9%	15%	25%	51%
Learning independently	0	0	3	18	47	0%	0%	4%	26%	69%
Learning new approaches to my work or to advanced studies	1	0	8	23	36	1%	0%	12%	34%	53%
Trying different approaches to solving a problem	0	1	2	27	38	0%	1%	3%	40%	56%
Managing many different tasks and obligations at the same time	0	1	2	12	53	0%	1%	3%	18%	78%
Having an in-depth understanding of my major field of study	4	0	10	17	37	6%	0%	15%	25%	54%
Dealing with conflict among co-workers and friends	3	6	7	18	34	4%	9%	10%	26%	50%
Working effectively with people of different races, ethnicities, and religions	1	0	7	11	49	1%	0%	10%	16%	72%
Communicating effectively with people who see things differently than I do	1	1	2	20	44	1%	1%	3%	29%	65%
Keeping my composure in difficult situations	0	2	3	8	55	0%	3%	4%	12%	81%
Exercising responsibilities as a citizen (voting, staying current w/community, & political issues)	5	4	12	16	31	7%	6%	18%	24%	46%
Making informed judgments when faced with ethical dilemmas	0	4	3	16	45	0%	6%	4%	24%	66%
Recognizing the consequences of my actions when facing a conflict	0	3	1	21	43	0%	4%	1%	31%	63%
Making choices about my conduct based on thoughtful reasoning about what is appropriate	1	1	4	16	46	1%	1%	6%	24%	68%

Alumni Ratings of Satisfaction with IUPUI Experience^c

(In order of highest to lowest levels of average Satisfaction)

Indicate your level of satisfaction with IUPUI in the areas of...	Average
Quality of teaching by faculty in your major area	1.15
Overall quality of the education you received at IUPUI	1.01
Courses in your major area	0.93
Quality of teaching by other faculty at IUPUI	0.90
Opportunities to work with other students in groups or teams	0.85
Opportunities to integrate learning w/ personal experiences	0.70
Required courses outside major area (gen ed reqs)	0.68
Opportunities to increase your self-understanding	0.68
Personal attention from those in your major department	0.66
The helpfulness of IUPUI staff in general	0.60
Opportunities to participate in faculty members' research	0.57
Opportunities to engage in extra-curricular activities	0.41
Opportunities to engage in community services	0.27
Academic advising in your major department	0.16

^c Responses for the satisfaction items provided on a 5-point scale, where -2=Very Dissatisfied, -1=Dissatisfied, 0=Neutral, 1=Satisfied, and 2=Very Satisfied.

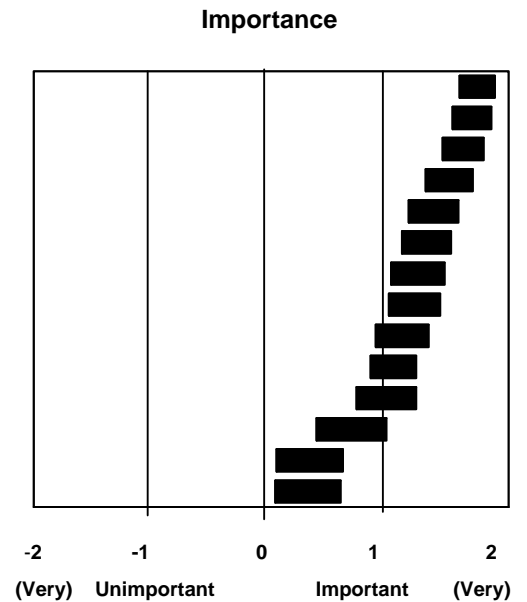


Alumni Ratings of Importance with IUPUI Experience^d

(In order of highest to lowest levels of average Importance)

Indicate the importance of the following:	Average
Quality of teaching by faculty in your major area	1.74
Overall quality of the education you received at IUPUI	1.69
Courses in your major area	1.62
Quality of teaching by other faculty at IUPUI	1.50
Academic advising in your major department	1.37
The helpfulness of IUPUI staff in general	1.31
Personal attention from those in your major department	1.24
Opportunities to increase your self-understanding	1.21
Opportunities to integrate learning w/ personal experiences	1.10
Required courses outside major area (gen ed reqs)	1.03
Opportunities to participate in faculty members' research	0.97
Opportunities to work with other students in groups or teams	0.68
Opportunities to engage in community services	0.32
Opportunities to engage in extra-curricular activities	0.31

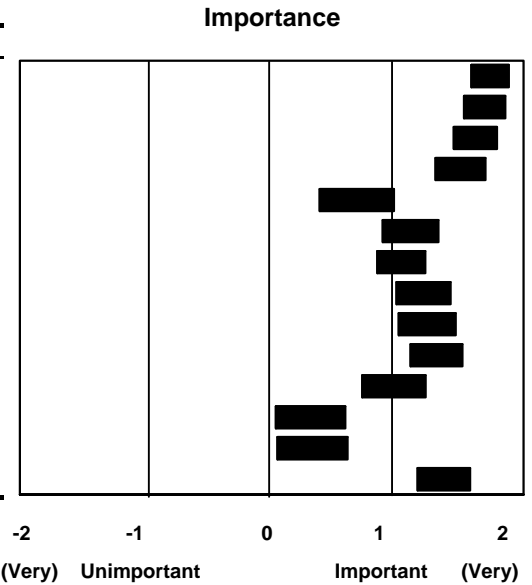
^d Responses for the importance items provided on a 5-point scale, where -2=Very Unimportant, -1=Unimportant, 0=Neutral, 1=Important, and 2=Very Important.



Alumni Ratings of Satisfaction and Importance^{c,d}

(In order of highest to lowest levels of average Satisfaction)

Item	Satisfaction
Quality of teaching by faculty in your major area	1.15
Overall quality of the education you received at IUPUI	1.01
Courses in your major area	0.93
Quality of teaching by other faculty at IUPUI	0.90
Opportunities to work with other students in groups or teams	0.85
Opportunities to integrate learning w/ personal experiences	0.70
Required courses outside major area (gen ed reqs)	0.68
Opportunities to increase your self-understanding	0.68
Personal attention from those in your major department	0.66
The helpfulness of IUPUI staff in general	0.60
Opportunities to participate in faculty members' research	0.57
Opportunities to engage in extra-curricular activities	0.41
Opportunities to engage in community services	0.27
Academic advising in your major department	0.16



^c Responses for the satisfaction items provided on a 5-point scale, where -2=Very Dissatisfied, -1=Dissatisfied, 0=Neutral, 1=Satisfied, and 2=Very Satisfied.

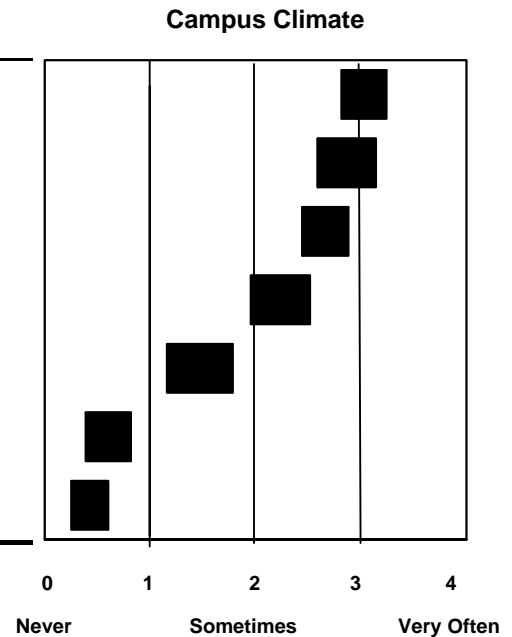
^d Responses for the importance items provided on a 5-point scale, where -2=Very Unimportant, -1=Unimportant, 0=Neutral, 1=Important, and 2=Very Important.

See next page for frequencies and percentages for these items.

Campus Climate for Diversity^e

(In order of most frequent to least frequent)

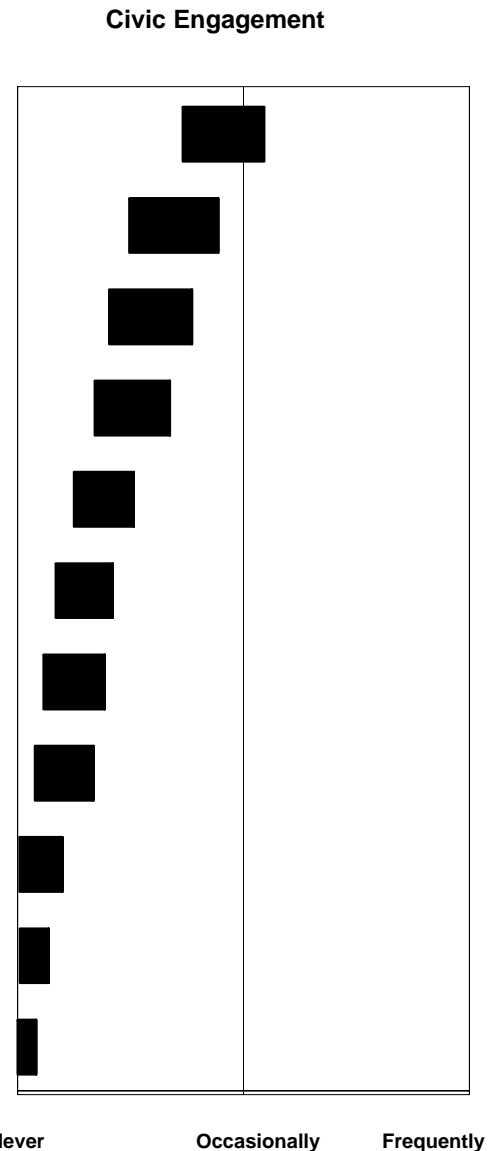
Indicate how often you.....	Average
Participated in classroom discussions that included contributions from students from diverse backgrounds	3.03
Socialized with students from backgrounds different than your own	2.86
Had experiences in class that enhanced your understanding of the history, culture, or social concerns of people from diverse backgrounds	2.66
Took a class that increased your understanding of multiculturalism and diversity	2.24
Attended campus events or activities that increased your understanding of multiculturalism and diversity	1.47
Saw or read racist, antigay/lesbian, or sexist material (including graffiti) on campus	0.60
Felt a sense of negative conflict between diverse groups on campus	0.43



^e Responses for the campus experiences items provided on a 5-point scale, where 0=Never, 1=Rarely, 2=Sometimes, 3=Often, and 4=Very Often.

Civic Engagement Activity^f
(In order of most frequent to least frequent)

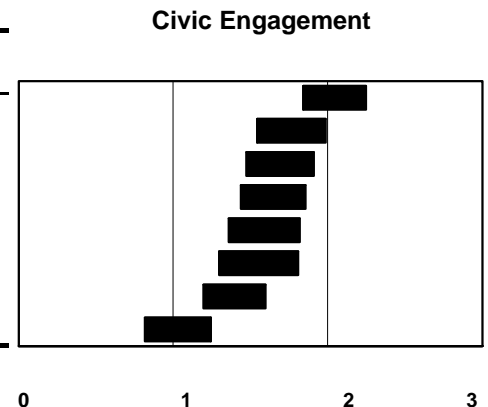
	Average
Indicate how often you have engaged in the following activities in the past year	
Donated money to a human-services or community services organization (e.g. United Way, a local food bank, etc.), or other non-profit organization	0.91
Donated professional services without compensation	0.69
Worked with a person or group to solve a problem in the community where you live	0.59
Not bought or boycotted something because of the conditions under which it was made	0.51
Signed a petition to express your opinion on a political or community issue	0.38
Donated money to a political candidate or cause	0.29
Worn a campaign button, put a sticker on your car or placed a sign in front of your house supporting an issue or candidate	0.25
Contacted or visited a public official to ask for assistance or express your opinion on a political or community issue	0.21
Worked with a political group or for a campaign or political official	0.10
Contacted a newspaper or magazine to express your opinion on a political or community issue	0.07
Called in to a radio or TV talk show to express your opinion on a political or community issue	0.03



^f Responses for the civic engagement items provided on a 3-point scale, where 0=Never, 1=Often, 2=Frequently.

Civic Engagement Importance^g
(In order of most important to least important)

	Average
Helping others who are in difficulty	2.04
Helping to promote racial understanding	1.76
Being very well-off financially	1.69
Knowing your neighbors	1.65
Keeping up-to-date with political affairs	1.59
Working on social justice issues	1.55
Being actively involved in community issues	1.40
Influencing the political structure	1.03



^g Responses for the civic engagement items provided on a 4-point scale: 0=Not Important, 1= Somewhat Important, 2= Very Important, and 3=Essential.

Satisfaction with IUPUI Experience

<i>Indicate your level of satisfaction with IUPUI in the areas of...</i>	Number of Respondents					Percentage				
	Very Dissatisfied		Neutral	Very Satisfied		Very Dissatisfied		Neutral	Very Satisfied	
	Dissatisfied	Dissatisfied	Neutral	Satisfied	Satisfied	Dissatisfied	Dissatisfied	Neutral	Satisfied	Satisfied
Overall quality of the education you received at IUPUI	0	7	5	36	20	0%	10%	7%	53%	29%
Quality of teaching by faculty in your major area	2	3	4	33	26	3%	4%	6%	49%	38%
Quality of teaching by other faculty at IUPUI	2	3	9	40	14	3%	4%	13%	59%	21%
Academic advising in your major department	9	11	19	18	11	13%	16%	28%	26%	16%
Courses in your major area	3	3	7	38	17	4%	4%	10%	56%	25%
Required courses outside major area (gen ed reqs)	2	4	16	38	8	3%	6%	24%	56%	12%
Personal attention from those in your major department	1	10	18	21	18	1%	15%	26%	31%	26%
Opportunities to increase your self-understanding	1	6	17	34	10	1%	9%	25%	50%	15%
Opportunities to work with other students in groups or teams	1	4	15	32	16	1%	6%	22%	47%	24%
Opportunities to integrate learning w/ personal experiences	4	2	15	35	11	6%	3%	22%	52%	16%
Opportunities to engage in community services	2	6	36	18	5	3%	9%	54%	27%	7%
Opportunities to engage in extra-curricular activities	1	7	29	25	6	1%	10%	43%	37%	9%
Opportunities to participate in faculty members' research	0	9	25	20	14	0%	13%	37%	29%	21%
The helpfulness of IUPUI staff in general	3	4	21	29	11	4%	6%	31%	43%	16%

Importance of Aspects of IUPUI Experience

<i>Indicate the importance of the following:</i>	Number of Respondents					Percentage				
	Very Unimportant		Neutral	Very Important		Very Unimportant		Neutral	Very Important	
	Unimportant	Unimportant	Neutral	Important	Important	Unimportant	Unimportant	Neutral	Important	Important
Overall quality of the education you received at IUPUI	1	0	2	13	52	1%	0%	3%	19%	76%
Quality of teaching by faculty in your major area	1	0	0	14	53	1%	0%	0%	21%	78%
Quality of teaching by other faculty at IUPUI	2	0	2	22	42	3%	0%	3%	32%	62%
Academic advising in your major department	2	0	5	25	36	3%	0%	7%	37%	53%
Courses in your major area	1	0	3	16	48	1%	0%	4%	24%	71%
Required courses outside major area (gen ed reqs)	1	1	11	37	18	1%	1%	16%	54%	26%
Personal attention from those in your major department	2	1	8	25	32	3%	1%	12%	37%	47%
Opportunities to increase your self-understanding	1	3	6	29	29	1%	4%	9%	43%	43%
Opportunities to work with other students in groups or teams	6	6	10	28	18	9%	9%	15%	41%	26%
Opportunities to integrate learning w/ personal experiences	1	3	10	28	26	1%	4%	15%	41%	38%
Opportunities to engage in community services	6	9	20	23	10	9%	13%	29%	34%	15%
Opportunities to engage in extra-curricular activities	6	7	26	18	11	9%	10%	38%	26%	16%
Opportunities to participate in faculty members' research	2	3	16	21	26	3%	4%	24%	31%	38%
The helpfulness of IUPUI staff in general	1	1	8	24	34	1%	1%	12%	35%	50%

Campus Climate for Diversity

<i>Indicate how frequently you experienced the following:</i>	Number of Respondents					Percentage				
	Never	Rarely	Some-times	Often	Very Often	Never	Rarely	Some-times	Often	Very Often
Socialized with students from backgrounds different than your own	1	6	13	19	20	2%	10%	22%	32%	34%
Participated in classroom discussions and activities that included contributions from students with diverse backgrounds and perspectives	0	4	13	28	23	0%	6%	19%	41%	34%
Had experiences in class that enhanced your understanding of the history, culture, or social concerns of people from diverse backgrounds	0	7	22	26	13	0%	10%	32%	38%	19%
Took a class that increased your understanding of multiculturalism and diversity	5	12	25	14	12	7%	18%	37%	21%	18%
Attended campus events or activities that increased your understanding of multiculturalism and diversity	21	14	19	8	6	31%	21%	28%	12%	9%
Saw or read racist, antigay/lesbian, or sexist material (including graffiti) on campus	40	19	6	2	1	59%	28%	9%	3%	1%
Felt a sense of negative conflict between diverse groups on campus	45	19	3	0	1	66%	28%	4%	0%	1%

Civic Engagement Activity

Indicate how often you have engaged in the following activities over the past year:	Number of Respondents			Percentage		
	Never	Occasionally	Frequently	Never	Occasionally	Frequently
Worked with a person or group to solve a problem in the community where you live	39	18	11	57%	26%	16%
Donated professional services without compensation	36	17	15	53%	25%	22%
Donated money to a political candidate or cause	50	16	2	74%	24%	3%
Donated money to a human-services or community services organization (e.g. United Way, a local food bank, etc.), or other non-profit organization	22	30	16	32%	44%	24%
Contacted or visited a public official to ask for assistance or express your opinion on a political or community issue	58	6	4	85%	9%	6%
Contacted a newspaper or magazine to express your opinion on a political or community issue	63	5	0	93%	7%	0%
Called in to a radio or TV talk show to express your opinion on a political or community issue	66	2	0	97%	3%	0%
Signed a petition to express your opinion on a political or community issue	44	22	2	65%	32%	3%
Worked with a political group or for a campaign or political official	63	3	2	93%	4%	3%
Not bought or boycotted something because of the conditions under which it was made	40	20	7	60%	30%	10%
Worn a campaign button, put a sticker on your car or placed a sign in front of your house supporting an issue or candidate	55	9	4	81%	13%	6%

Scale: 0=Never, 1=Often, 2=Frequently





Civic Engagement Importance

Indicate the importance to you personally of each of the following:	Number of Respondents				Percentage			
	Not Important	Somewhat Important	Very Important	Essential	Not Important	Somewhat Important	Very Important	Essential
Influencing the political structure	20	31	12	5	29%	46%	18%	7%
Being very well-off financially	6	23	25	14	9%	34%	37%	21%
Helping others who are in difficulty	2	16	27	23	3%	24%	40%	34%
Helping to promote racial understanding	5	23	23	17	7%	34%	34%	25%
Keeping up-to-date with political affairs	9	23	23	13	13%	34%	34%	19%
Working on social justice issues	11	25	14	17	16%	37%	21%	25%
Knowing your neighbors	5	26	25	12	7%	38%	37%	18%
Being actively involved in community issues	5	41	12	10	7%	60%	18%	15%

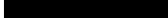
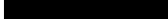
Scale: 0=Not Important, 1=Somewhat Important, 2=Very Important, 3=Essential

Civic Engagement (Cont'd)

Overall, how active are you within your community?

	N	%	
Very active	2	3%	
Moderately active	7	10%	
Slightly active	29	43%	
Not at all active	29	43%	

Would you like to be any more or less active or maintain your current level?

	N	%	
Be more active	33	49%	
Be less active	0	0%	
Maintain current level of activity	34	51%	

Comparative Analysis

Comparisons between 68 School of Science graduates and all other IUPUI bachelor degree graduates.**Impact of IUPUI on Alumni Learning - Current Ability**

Rate your current ability level in the area of...^a	SCI Means	All other Bachelors	Difference in Means	Significance
Reading and understanding books, articles, and instruction manuals	4.59	4.63	-0.04	
Solving mathematical problems	3.94	3.84	0.10	
Using the computer applications that are most common to my field of work or study	4.44	4.39	0.05	
Finding useful information on the Internet for work-related projects	4.49	4.47	0.01	
Writing clearly and effectively	4.31	4.39	-0.08	
Speaking clearly and effectively	4.13	4.28	-0.15	
Working as part of a team to solve problems	4.31	4.44	-0.13	
Preparing a presentation that I will deliver to a group	4.01	4.04	-0.03	
Writing a final report on a project or other work assignment	4.16	4.14	0.02	
Understanding a statistical report	3.76	3.53	0.23	
Thinking critically and analytically	4.37	4.35	0.02	
Evaluating other people's ideas and proposed solutions	4.19	4.18	0.01	
Systematically reviewing & improving own ideas about how to approach an issue/problem	4.25	4.15	0.10	
Creatively thinking about new ideas or ways to improve existing things	4.13	4.21	-0.08	
Discussing complex problems with co-workers to develop a better solution	4.18	4.29	-0.11	
Applying what I learned in college to issues and problems I face every day	4.00	4.12	-0.12	
Gathering information from a variety of sources when deciding what action to take	4.21	4.27	-0.07	
Finding new ways to use my skills and knowledge as I encounter new situations/problems	4.12	4.20	-0.08	
Doing research on an issue or topic before I plan a course of action	4.22	4.13	0.09	
Putting ideas together in new ways	4.03	4.05	-0.02	
Having a general understanding of subjects other than the one in which I majored	4.15	4.06	0.08	
Learning independently	4.49	4.43	0.05	
Learning new approaches to my work or to advanced studies	4.16	4.10	0.06	
Trying different approaches to solving a problem	4.19	4.11	0.08	
Managing many different tasks and obligations at the same time	4.51	4.36	0.15	
Having an in-depth understanding of my major field of study	4.01	4.07	-0.06	
Dealing with conflict among co-workers and friends	4.00	3.95	0.05	
Working effectively with people of different races, ethnicities, and religions	4.57	4.47	0.10	
Communicating effectively with people who see things differently than I do	4.21	4.13	0.07	
Keeping my composure in difficult situations	4.03	4.18	-0.15	
Exercising responsibilities as a citizen (voting, staying current w/comm. & political issues)	3.71	3.96	-0.25	
Making informed judgments when faced with ethical dilemmas	4.25	4.28	-0.03	
Recognizing the consequences of my actions when facing a conflict	4.38	4.39	-0.01	
Making choices about my conduct based on thoughtful reasoning about what is appropriate	4.40	4.44	-0.05	

^a Scale: 1=Low Ability Level, 3=Medium Ability Level, and 5=High Ability Level.

* denotes a statistically significant difference between your school and all other schools at $p < .05$.

Impact of IUPUI on Alumni Learning (Cont'd) - Importance to Goals

Indicate how important your ability level is to your goals in the following areas...^b	SCI Means	All other Bachelors	Difference in Means	Significance
Reading and understanding books, articles, and instruction manuals	4.78	4.56	0.22	*
Solving mathematical problems	3.66	3.52	0.14	
Using the computer applications that are most common to my field of work or study	4.47	4.48	-0.01	
Finding useful information on the Internet for work-related projects	4.43	4.29	0.14	
Writing clearly and effectively	4.71	4.58	0.12	
Speaking clearly and effectively	4.71	4.65	0.05	
Working as part of a team to solve problems	4.24	4.46	-0.22	*
Preparing a presentation that I will deliver to a group	4.12	4.01	0.11	
Writing a final report on a project or other work assignment	4.16	3.91	0.26	
Understanding a statistical report	3.93	3.59	0.34	*
Thinking critically and analytically	4.65	4.59	0.05	
Evaluating other people's ideas and proposed solutions	4.40	4.33	0.06	
Systematically reviewing & improving own ideas about how to approach an issue/problem	4.57	4.51	0.07	
Creatively thinking about new ideas or ways to improve existing things	4.53	4.52	0.01	
Discussing complex problems with co-workers to develop a better solution	4.49	4.42	0.07	
Applying what I learned in college to issues and problems I face every day	4.00	4.08	-0.08	
Gathering information from a variety of sources when deciding what action to take	4.43	4.33	0.09	
Finding new ways to use my skills and knowledge as I encounter new situations/problems	4.32	4.44	-0.11	
Doing research on an issue or topic before I plan a course of action	4.47	4.27	0.20	
Putting ideas together in new ways	4.19	4.30	-0.11	
Having a general understanding of subjects other than the one in which I majored	4.19	4.14	0.05	
Learning independently	4.65	4.44	0.21	*
Learning new approaches to my work or to advanced studies	4.37	4.33	0.04	
Trying different approaches to solving a problem	4.50	4.42	0.08	
Managing many different tasks and obligations at the same time	4.72	4.71	0.01	
Having an in-depth understanding of my major field of study	4.22	4.40	-0.18	
Dealing with conflict among co-workers and friends	4.09	4.28	-0.19	
Working effectively with people of different races, ethnicities, and religions	4.57	4.51	0.06	
Communicating effectively with people who see things differently than I do	4.54	4.57	-0.02	
Keeping my composure in difficult situations	4.71	4.66	0.04	
Exercising responsibilities as a citizen (voting, staying current w/comm. & political issues)	3.94	4.05	-0.11	
Making informed judgments when faced with ethical dilemmas	4.50	4.48	0.02	
Recognizing the consequences of my actions when facing a conflict	4.53	4.57	-0.04	
Making choices about my conduct based on thoughtful reasoning about what is appropriate	4.54	4.59	-0.05	

^b Scale: 1=Low Importance to Goals, 3=Medium Importance to Goals, and 5=High Importance to Goals.

* denotes a statistically significant difference between your school and all other schools at $p < .05$.

Satisfaction with IUPUI Experience

Indicate your level of satisfaction with IUPUI in the areas of...^c	SCI Means	All other Bachelors	Difference in Means	Significance
Overall quality of the education you received at IUPUI	1.01	1.07	-0.05	
Quality of teaching by faculty in your major area	1.15	1.06	0.09	
Quality of teaching by other faculty at IUPUI	0.90	0.82	0.08	
Academic advising in your major department	0.16	0.38	-0.22	
Courses in your major area	0.93	0.97	-0.05	
Required courses outside your major area	0.68	0.60	0.08	
Personal attention from those in your major department	0.66	0.79	-0.13	
Opportunities to increase your self-understanding	0.68	0.80	-0.13	
Opportunities to work with other students in groups or teams	0.85	0.99	-0.13	
Opportunities to integrate what you have learned with personal experiences	0.70	0.93	-0.23	*
Opportunities to engage in community services	0.27	0.43	-0.16	
Opportunities to engage in extra-curricular activities	0.41	0.33	0.08	
Opportunities to participate in faculty members' research	0.57	-0.01	0.59	*
The helpfulness of IUPUI staff in general	0.60	0.67	-0.07	

^c Scale: -2=Very Dissatisfied, -1=Dissatisfied, 0=Neutral, 1=Satisfied, 2=Very Satisfied.

* denotes a statistically significant difference between your school and all other schools at $p < .05$.

Importance of Aspects of IUPUI Experience

Indicate the importance of the following:^d	SCI Means	All other Bachelors	Difference in Means	Significance
Overall quality of the education you received at IUPUI	1.69	1.58	0.11	
Quality of teaching by faculty in your major area	1.74	1.59	0.14	
Quality of teaching by other faculty at IUPUI	1.50	1.30	0.20	
Academic advising in your major department	1.37	1.34	0.02	
Courses in your major area	1.62	1.53	0.09	
Required courses outside your major area	1.03	0.82	0.21	
Personal attention from those in your major department	1.24	1.23	0.00	
Opportunities to increase your self-understanding	1.21	1.06	0.14	
Opportunities to work with other students in groups or teams	0.68	0.61	0.07	
Opportunities to integrate what you have learned with personal experiences	1.10	1.06	0.04	
Opportunities to engage in community services	0.32	0.42	-0.09	
Opportunities to engage in extra-curricular activities	0.31	0.24	0.07	
Opportunities to participate in faculty members' research	0.97	0.28	0.69	*
The helpfulness of IUPUI staff in general	1.31	1.25	0.06	

^d Scale: -2=Very Unimportant, -1=Unimportant, 0=Neutral, 1=Important, 2=Very Important.

* denotes a statistically significant difference between your school and all other schools at $p < .05$.

Campus Climate for Diversity

Indicate how often you....^e	SCI Means	All other Bachelors	Difference in Means	Significance
Socialized with students from backgrounds different than your own	2.86	2.78	0.08	
Participated in classroom discussions and activities that included contributions from students with diverse backgrounds and perspectives	3.03	2.97	0.06	
Had experiences in class that enhanced your understanding of the history, culture, or social concerns of people from diverse backgrounds	2.66	2.62	0.04	
Took a class that increased your understanding of multiculturalism and diversity	2.24	2.16	0.08	
Attended campus events or activities that increased your understanding of multiculturalism and diversity	1.47	1.08	0.39	*
Saw or read racist, antigay/lesbian, or sexist material (including graffiti) on campus	0.60	0.59	0.01	
Felt a sense of negative conflict between diverse groups on campus	0.43	0.64	-0.22	*

^e Scale: 0=Never, 1=Rarely, 2=Sometimes, 3=Often, 4=Very Often.

* denotes a statistically significant difference between your school and all other schools at $p < .05$.

Civic Engagement Activity

Indicate how often you have engaged in the following activities in the past year^f	SCI Means	All other Bachelors	Difference in Means	Significance
Worked with a person or group to solve a problem in the community where you live	0.59	0.63	-0.05	
Donated professional services without compensation	0.69	0.83	-0.14	
Donated money to a political candidate or cause	0.29	0.43	-0.13	
Donated money to a human-services or community services organization (e.g. United Way, a local food bank, etc.), or other non-profit organization	0.91	1.14	-0.23	*
Contacted or visited a public official to ask for assistance or express your opinion on a political or community issue	0.21	0.34	-0.14	
Contacted a newspaper or magazine to express your opinion on a political or community issue	0.07	0.18	-0.11	
Called in to a radio or TV talk show to express your opinion on a political or community issue	0.03	0.10	-0.07	
Signed a petition to express your opinion on a political or community issue	0.38	0.53	-0.15	
Worked with a political group or for a campaign or political official	0.10	0.18	-0.08	
Not bought or boycotted something because of the conditions under which it was made	0.51	0.57	-0.06	
Worn a campaign button, put a sticker on your car or placed a sign in front of your house supporting an issue or candidate	0.25	0.39	-0.14	

^f Scale: 0=Never, 1=Often, 2=Frequently.

* denotes a statistically significant difference between your school and all other schools at $p < .05$.

Civic Engagement Importance

<i>Indicate the importance to you personally of each of the following...^g</i>	SCI Means	All other Bachelors	Difference in Means	Significance
Influencing the political structure	1.03	1.19	-0.16	
Being very well-off financially	1.69	1.65	0.04	
Helping others who are in difficulty	2.04	2.02	0.02	
Helping to promote racial understanding	1.76	1.64	0.13	
Keeping up-to-date with political affairs	1.59	1.59	0.00	
Working on social justice issues	1.55	1.38	0.17	
Knowing your neighbors	1.65	1.74	-0.09	
Being actively involved in community issues	1.40	1.42	-0.02	

^g Scale: 0=Not Important, 1=Somewhat Important, 2=Very Important, 3=Essential.

Addendum - Demographics

Sample Demographics

Sex

	N	%
Female	45	66%
Male	23	34%



Age*

Mean
28.6

* Reported as averages.

Degree Type

	N	%
BACH	68	100%
ASSOC	0	0%
CERT	0	0%

GPA*

Mean
3.2

* Reported as averages.





Ethnicity

	N	%
White, non-Hispanic	48	75%
African American	3	5%
Hispanic	3	5%
Asian or Pacific Islander	6	9%
American Indian/Alaskan Native	2	3%
Non-resident Alien	0	0%
Other American	2	3%



Addendum - Employment

Employer

Employer	N	%	
Eli Lilly	3	33%	
Indiana Blood Center	2	22%	
IUPUI	2	22%	
Wishard Health Services	2	22%	

Note: Top Employers with two or more IUPUI graduates reported.

Addendum - Educational Pursuits

Institution

	N	%	
IUPUI	13	87%	[REDACTED]
Purdue University	2	13%	[REDACTED]

Field of Study

	N	%	
Social Work	3	60%	[REDACTED]
Nursing	2	40%	[REDACTED]

Note: Institutions and Fields of Study are reported if there are two or more graduates.