Results of the Alumni Survey for
2003-2004 Undergraduate Degree Recipients

for

School of Science

<u>Alumni Profile</u>
<u>and</u>
<u>Comparative Analysis</u>

5/2/2006

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, 2003-2004 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 <u>not</u> 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 x 1.9623 x 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	46	81%
Not working but looking for work	2	4%
Not working and not looking	7	12%
On active duty in the armed forces	2	4%
Total	57	100%

Working in Indiana

	N	%
Yes	36	78%
No	10	22%

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)	34	74%
Working part-time	12	26%
Average hours/week worked	37.3	

Worked with Current Employer Six Months Prior to Receiving Degree

	N	%
Yes	16	31%
No	35	69%
If yes, a raise or promotion received?		
Yes	*6*	*38%*
No	*10*	*63%*
If no, did Alumni's first job after graduating require a college degree?		
Yes	*16*	*48%*
No	*17*	*52%*
If no, how many weeks to get the first new job after completing degree?		
0 - 4	*18*	*67%*
5 - 16	*9*	*33%*
17 - 24	*0*	*0%*
25 - 52	*0*	*0%*
Over 52	*0*	*0%*

How Closely Does Current Job Relate to Major

	N	%
Directly Related	16	35%
Somewhat Related	19	41%
Not Related	11	24%

How Well IUPUI Education Prepared Alumni for Current Job

	N	%	
Very Well	19	41%	
Somewhat Well	22	48%	
Not at all Well	5	11%	

How Well IUPUI Education Has Enhanced Future Prospects

	N	%	
Very Well	24	52%	
Somewhat Well	20	43%	
Not at all Well	2	4%	

Current Salary

	N	%	
$50,000 or above	3	9%	
$45,000 to $49,999	4	12%	
$40,000 to $44,999	1	3%	
$35,000 to $39,999	5	15%	
$30,000 to $34,999	5	15%	
$25,000 to $29,999	7	21%	
$20,000 to $24,999	8	24%	
Under $20,000	0	0%	

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	3	6%	
No	48	94%	
If yes, did you end up takin a job after you completed your degree with the organization in which you had the internship/co-op?			
Yes	*0*	*0%*	
No	*3*	*100%*	
Did your internship or co-op experience enhance your prospects for getting a desirable job after completing your degree?			
Yes	*3*	*100%*	
No	*0*	*0%*	
*If no, which of the factors influenced your decision not to participate in an internship or co-op program?**			
Did not want to give up current job	*20*	*42%*	
Could not find an internship or co-op program in my area of interest	*17*	*35%*	
Family obligations made it difficult	*9*	*19%*	

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

Educational Pursuits

Current Educational Status

	N	%	
TOTAL ENROLLED	26	46%	
Enrolled full-time in degree prog.	19	33%	
Enrolled part-time in degree prog.	5	9%	
Enrolled in courses only	2	4%	
Not presently enrolled but plan to	25	44%	
Not presently enrolled, no plans to	6	11%	

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	0	0%	
Master	3	100%	
Doctorate	0	0%	
Professional Degree	0	0%	

Likelihood of Pursuing Education at IUPUI

	N	%	
Currently doing so	12	21%	
Very likely	14	25%	
Somewhat likely	9	16%	
Not very likely	22	39%	

IUPUI Image

Would Alumni Encourage Someone Who Wanted to Attend IUPUI

	N	%	
Strongly encourage	22	41%	
Encourage	21	39%	
Neither encourage nor discourage	7	13%	
Discourage	0	0%	
Strongly discourage	4	7%	

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]

	Ability[a]	Importance[b]	Ability Level	Importance to Goals
Working effectively with people of different races, ethnicities, and religions	4.62	4.55		
Reading and understanding books, articles, and instruction manuals	4.55	4.50		
Writing clearly and effectively	4.50	4.55		
Learning independently	4.49	4.47		
Finding useful information on the Internet for work-related projects	4.48	4.20		
Managing many different tasks and obligations at the same time	4.44	4.62		
Making choices about my conduct based on thoughtful reasoning about what is appropriate	4.44	4.55		
Recognizing the consequences of my actions when facing a conflict	4.36	4.49		
Doing research on an issue or topic before I plan a course of action	4.31	4.29		
Gathering information from a variety of sources when deciding what action to take	4.25	4.34		
Keeping my composure in difficult situations	4.24	4.69		
Thinking critically and analytically	4.22	4.65		
Making informed judgments when faced with ethical dilemmas	4.22	4.56		
Working as part of a team to solve problems	4.21	4.41		
Writing a final report on a project or other work assignment	4.20	4.00		
Finding new ways to use my skills and knowledge as I encounter new situations/problems	4.18	4.38		
Communicating effectively with people who see things differently than I do	4.17	4.61		
Having a general understanding of subjects other than the one in which I majored	4.16	4.25		
Speaking clearly and effectively	4.16	4.54		
Using the computer applications that are most common to my field of work or study	4.14	4.23		
Dealing with conflict among co-workers and friends	4.07	4.20		
Applying what I learned in college to issues and problems I face every day	4.07	4.09		
Having an in-depth understanding of my major field of study	4.05	4.15		
Discussing complex problems with co-workers to develop a better solution	4.05	4.29		
Putting ideas together in new ways	4.04	4.35		
Evaluating other people's ideas and proposed solutions	4.04	4.21		
Systematically reviewing & improving own ideas about how to approach an issue/problem	4.04	4.39		
Learning new approaches to my work or to advanced studies	4.02	4.29		
Trying different approaches to solving a problem	4.02	4.42		
Preparing a presentation that I will deliver to a group	4.02	4.13		
Creatively thinking about new ideas or ways to improve existing things	3.96	4.45		
Solving mathematical problems	3.95	3.45		
Exercising responsibilities as a citizen (voting, staying current w/comm. & political issues)	3.89	4.05		
Understanding a statistical report	3.84	3.67		

Ability Level scale: 1 Low, 2, 3 Medium, 4, 5 High
Importance to Goals scale: 1 Low, 2, 3 Medium, 4, 5 High

[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

Indicate your current ability level in each of the following skills and knowledge areas:	Number of Respondents					Percentage				
	Low Ability		Medium Ability		High Ability	Low Ability		Medium Ability		High Ability
Reading and understanding books, articles, and instruction manuals	0	0	4	17	35	0%	0%	7%	30%	63%
Solving mathematical problems	0	2	17	19	18	0%	4%	30%	34%	32%
Using the computer applications that are most common to my field of work or study	0	1	13	19	23	0%	2%	23%	34%	41%
Finding useful information on the Internet for work-related projects	0	2	1	21	32	0%	4%	2%	38%	57%
Writing clearly and effectively	0	1	3	19	33	0%	2%	5%	34%	59%
Speaking clearly and effectively	0	1	12	20	23	0%	2%	21%	36%	41%
Working as part of a team to solve problems	0	2	10	18	26	0%	4%	18%	32%	46%
Preparing a presentation that I will deliver to a group	1	1	10	28	16	2%	2%	18%	50%	29%
Writing a final report on a project or other work assignment	0	0	10	25	21	0%	0%	18%	45%	38%
Understanding a statistical report	0	3	17	22	14	0%	5%	30%	39%	25%
Thinking critically and analytically	0	2	7	23	23	0%	4%	13%	42%	42%
Evaluating other people's ideas and proposed solutions	0	3	9	27	17	0%	5%	16%	48%	30%
Systematically reviewing & improving my own ideas about how to approach an issue or problem	0	4	8	26	18	0%	7%	14%	46%	32%
Creatively thinking about new ideas or ways to improve existing things	0	3	15	19	19	0%	5%	27%	34%	34%
Discussing complex problems with co-workers to develop a better solution	0	4	11	19	22	0%	7%	20%	34%	39%
Applying what I learned in college to issues and problems I face every day	0	2	11	24	19	0%	4%	20%	43%	34%
Gathering information from a variety of sources when deciding what action to take	0	1	6	27	22	0%	2%	11%	48%	39%
Finding new ways to use my skills & knowledge as I encounter new situations or problems	0	0	9	28	19	0%	0%	16%	50%	34%
Doing research on an issue or topic before I plan a course of action	0	0	5	28	22	0%	0%	9%	51%	40%
Putting ideas together in new ways	0	1	12	25	16	0%	2%	22%	46%	30%
Having a general understanding of subjects other than the one in which I majored	0	1	8	27	19	0%	2%	15%	49%	35%
Learning independently	0	0	5	18	32	0%	0%	9%	33%	58%
Learning new approaches to my work or to advanced studies	0	2	12	24	17	0%	4%	22%	44%	31%
Trying different approaches to solving a problem	0	4	7	28	16	0%	7%	13%	51%	29%
Managing many different tasks and obligations at the same time	0	0	9	13	33	0%	0%	16%	24%	60%
Having an in-depth understanding of my major field of study	0	1	13	23	18	0%	2%	24%	42%	33%
Dealing with conflict among co-workers and friends	0	1	12	24	18	0%	2%	22%	44%	33%
Working effectively with people of different races, ethnicities, and religions	0	1	2	14	38	0%	2%	4%	25%	69%
Communicating effectively with people who see things differently than I do	0	2	8	23	21	0%	4%	15%	43%	39%
Keeping my composure in difficult situations	0	1	7	25	22	0%	2%	13%	45%	40%
Exercising responsibilities as a citizen (voting, staying current w/community, & political issues)	1	5	8	26	15	2%	9%	15%	47%	27%
Making informed judgments when faced with ethical dilemmas	0	2	5	27	21	0%	4%	9%	49%	38%
Recognizing the consequences of my actions when facing a conflict	0	1	4	24	26	0%	2%	7%	44%	47%
Making choices about my conduct based on thoughtful reasoning about what is appropriate	0	1	2	24	28	0%	2%	4%	44%	51%

Importance to Goals

| *Indicate how important your ability level is to your goals in each of the following skills and knowledge areas:*	Number of Respondents					Percentage				
	Low Importance		Medium Importance		High Importance	Low Importance		Medium Importance		High Importance
Reading and understanding books, articles, and instruction manuals	1	0	5	14	36	2%	0%	9%	25%	64%
Solving mathematical problems	6	5	17	14	14	11%	9%	30%	25%	25%
Using the computer applications that are most common to my field of work or study	0	1	8	24	23	0%	2%	14%	43%	41%
Finding useful information on the Internet for work-related projects	0	3	12	12	29	0%	5%	21%	21%	52%
Writing clearly and effectively	0	1	5	12	38	0%	2%	9%	21%	68%
Speaking clearly and effectively	0	1	4	15	36	0%	2%	7%	27%	64%
Working as part of a team to solve problems	0	1	5	20	30	0%	2%	9%	36%	54%
Preparing a presentation that I will deliver to a group	1	4	9	15	27	2%	7%	16%	27%	48%
Writing a final report on a project or other work assignment	1	5	10	16	23	2%	9%	18%	29%	42%
Understanding a statistical report	4	6	13	13	19	7%	11%	24%	24%	35%
Thinking critically and analytically	0	0	3	13	39	0%	0%	5%	24%	71%
Evaluating other people's ideas and proposed solutions	0	2	7	24	23	0%	4%	13%	43%	41%
Systematically reviewing & improving my own ideas about how to approach an issue or problem	0	1	6	19	30	0%	2%	11%	34%	54%
Creatively thinking about new ideas or ways to improve existing things	0	0	7	17	32	0%	0%	13%	30%	57%
Discussing complex problems with co-workers to develop a better solution	1	3	3	21	28	2%	5%	5%	38%	50%
Applying what I learned in college to issues and problems I face every day	0	5	9	18	24	0%	9%	16%	32%	43%
Gathering information from a variety of sources when deciding what action to take	0	2	6	19	29	0%	4%	11%	34%	52%
Finding new ways to use my skills & knowledge as I encounter new situations or problems	0	3	3	20	30	0%	5%	5%	36%	54%
Doing research on an issue or topic before I plan a course of action	0	1	9	18	27	0%	2%	16%	33%	49%
Putting ideas together in new ways	0	0	9	17	28	0%	0%	17%	31%	52%
Having a general understanding of subjects other than the one in which I majored	0	3	7	18	27	0%	5%	13%	33%	49%
Learning independently	0	1	5	16	33	0%	2%	9%	29%	60%
Learning new approaches to my work or to advanced studies	0	3	8	14	30	0%	5%	15%	25%	55%
Trying different approaches to solving a problem	0	2	2	22	29	0%	4%	4%	40%	53%
Managing many different tasks and obligations at the same time	0	1	2	14	38	0%	2%	4%	25%	69%
Having an in-depth understanding of my major field of study	1	5	7	14	28	2%	9%	13%	25%	51%
Dealing with conflict among co-workers and friends	0	2	10	18	25	0%	4%	18%	33%	45%
Working effectively with people of different races, ethnicities, and religions	1	2	3	9	40	2%	4%	5%	16%	73%
Communicating effectively with people who see things differently than I do	0	0	3	15	36	0%	0%	6%	28%	67%
Keeping my composure in difficult situations	0	0	5	7	43	0%	0%	9%	13%	78%
Exercising responsibilities as a citizen (voting, staying current w/community, & political issues)	1	3	9	21	21	2%	5%	16%	38%	38%
Making informed judgments when faced with ethical dilemmas	0	1	4	13	37	0%	2%	7%	24%	67%
Recognizing the consequences of my actions when facing a conflict	1	1	2	17	34	2%	2%	4%	31%	62%
Making choices about my conduct based on thoughtful reasoning about what is appropriate	1	0	3	15	36	2%	0%	5%	27%	65%

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
Overall quality of the education you received at IUPUI	1.34
Quality of teaching by faculty in your major area	1.34
Opportunities to work with other students in groups or teams	1.25
Courses in your major area	1.20
The helpfulness of IUPUI staff in general	1.11
Quality of teaching by other faculty at IUPUI	1.07
Opportunities to increase your self-understanding	1.05
Personal attention from those in your major department	1.02
Opportunities to integrate learning w/ personal experiences	1.02
Required courses outside major area (gen ed reqs)	0.88
Opportunities to participate in faculty members' research	0.77
Academic advising in your major department	0.66
Opportunities to engage in community services	0.61
Opportunities to engage in extra-curricular activities	0.46

[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.*

Satisfaction

-2	-1	0	1	2
(Very)	Dissatisfied		Satisfied	(Very
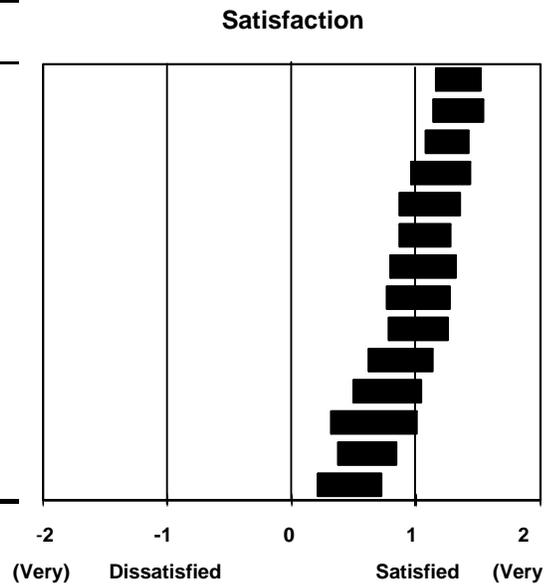
Alumni Ratings of Importance with IUPUI Experience[d]

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

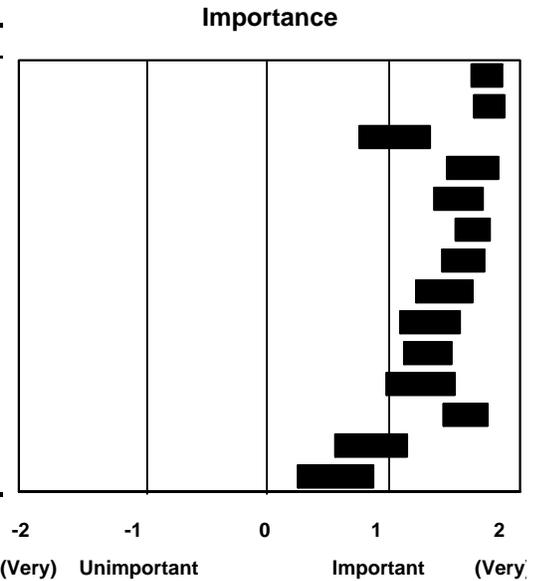| Indicate the importance of the following:	Average
Quality of teaching by faculty in your major area	1.75
Overall quality of the education you received at IUPUI	1.74
Quality of teaching by other faculty at IUPUI	1.62
Courses in your major area	1.62
Academic advising in your major department	1.57
Opportunities to increase your self-understanding	1.55
The helpfulness of IUPUI staff in general	1.51
Personal attention from those in your major department	1.40
Opportunities to integrate learning w/ personal experiences	1.28
Required courses outside major area (gen ed reqs)	1.26
Opportunities to participate in faculty members' research	1.21
Opportunities to work with other students in groups or teams	1.00
Opportunities to engage in community services	0.81
Opportunities to engage in extra-curricular activities	0.53

[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.*

Importance

-2	-1	0	1	2
(Very)	Unimportant		Important	(Very)
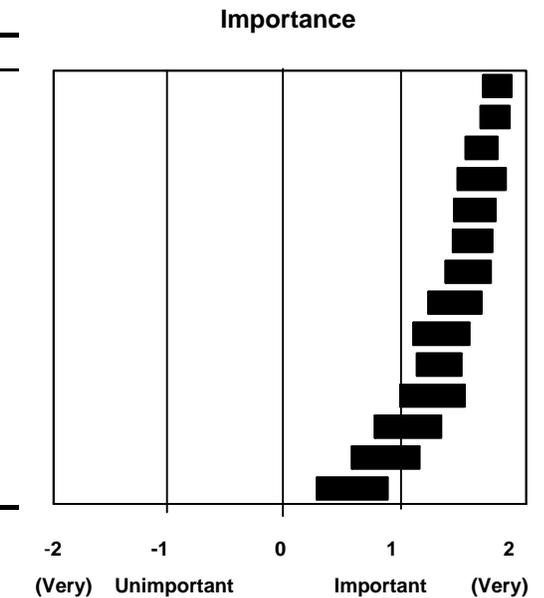
Alumni Ratings of Satisfaction and Importance[c,d]

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

Item	Satisfaction
Overall quality of the education you received at IUPUI	1.34
Quality of teaching by faculty in your major area	1.34
Opportunities to work with other students in groups or teams	1.25
Courses in your major area	1.20
The helpfulness of IUPUI staff in general	1.11
Quality of teaching by other faculty at IUPUI	1.07
Opportunities to increase your self-understanding	1.05
Personal attention from those in your major department	1.02
Opportunities to integrate learning w/ personal experiences	1.02
Required courses outside major area (gen ed reqs)	0.88
Opportunities to participate in faculty members' research	0.77
Academic advising in your major department	0.66
Opportunities to engage in community services	0.61
Opportunities to engage in extra-curricular activities	0.46

Importance

-2 (Very) Unimportant   -1   0   1 Important   2 (Very)

[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
Socialized with students from backgrounds different than your own	2.98
Participated in classroom discussions that included contributions from students from diverse backgrounds	2.84
Had experiences in class that enhanced your understanding of the history, culture, or social concerns of people from diverse backgrounds	2.63
Took a class that increased your understanding of multiculturism and diversity	2.50
Attended campus events or activities that increased your understanding of multiculturalism and diversity	1.32
Saw or read racist, antigay/lesbian, or sexist material (including graffiti) on campus	0.86
Felt a sense of negative conflict between diverse groups on campus	0.79

Campus Climate

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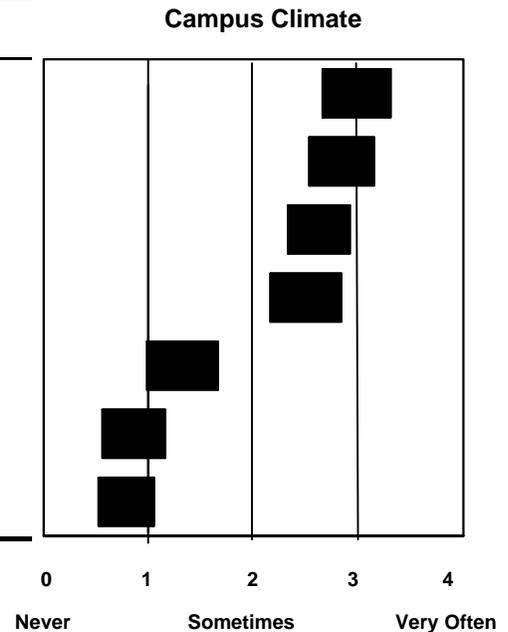
[e] *Responses for the campus experiences items provided on a 5-point scale, where 0=Never, 1=Rarely, 2=Sometimes, 3=Often, and 4=Very Often.*

Civic Engagement Activity[f]

(In order of most frequent to least frequent)

Indicate how often you have engaged in the following activites in the past year …..	*Average*
Donated money to a human-services or community services organization (e.g. United Way, a local food bank, etc.), or other non-profit organization	0.73
Signed a petition to express your opinion on a political or community issue	0.57
Donated professional services without compensation	0.54
Not bought or boycotted something because of the conditions under which is was made	0.52
Worked with a person or group to solve a problem in the community where you live	0.43
Worn a campaign button, put a sticker on your car or placed a sign in front of your house supporting an issue or candidate	0.39
Donated money to a political candidate or cause	0.34
Contacted or visited a public official to ask for assistance or express your opinion on a political or community issue	0.30
Contacted a newspaper or magazine to express your opinion on a political or community issue	0.25
Worked with a political group or for a campaign or political official	0.18
Called in to a radio or TV talk show to express your opinion on a political or community issue	0.16

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

Civic Engagement

Never   Often   Frequently

Civic Engagement Importance[g]

(In order of most important to least important)

	Average
Helping others who are in difficulty	2.18
Helping to promote racial understanding	1.89
Being very well-off financially	1.75
Knowing your neighbors	1.70
Working on social justice issues	1.68
Being actively involved in community issues	1.68
Keeping up-to-date with political affairs	1.61
Influencing the political structure	1.33

[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.*

Civic Engagement

0   1   2   3

Satisfaction with IUPUI Experience

Indicate your level of satisfaction with IUPUI in the areas of...	Number of Respondents					Percentage				
	Very Dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied	Very Dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied
Overall quality of the education you received at IUPUI	0	1	3	28	24	0%	2%	5%	50%	43%
Quality of teaching by faculty in your major area	0	2	3	25	26	0%	4%	5%	45%	46%
Quality of teaching by other faculty at IUPUI	0	2	8	30	16	0%	4%	14%	54%	29%
Academic advising in your major department	4	9	7	18	18	7%	16%	13%	32%	32%
Courses in your major area	0	5	2	26	23	0%	9%	4%	46%	41%
Required courses outside major area (gen ed reqs)	0	7	8	26	15	0%	13%	14%	46%	27%
Personal attention from those in your major department	0	4	12	19	21	0%	7%	21%	34%	38%
Opportunities to increase your self-understanding	1	3	9	21	21	2%	5%	16%	38%	38%
Opportunities to work with other students in groups or teams	0	0	6	30	20	0%	0%	11%	54%	36%
Opportunities to integrate learning w/ personal experiences	1	2	9	27	17	2%	4%	16%	48%	30%
Opportunities to engage in community services	1	3	21	23	8	2%	5%	38%	41%	14%
Opportunities to engage in extra-curricular activities	1	6	24	16	9	2%	11%	43%	29%	16%
Opportunities to participate in faculty members' research	1	6	12	23	14	2%	11%	21%	41%	25%
The helpfulness of IUPUI staff in general	1	3	4	28	19	2%	5%	7%	51%	35%

Importance of Aspects of IUPUI Experience

Indicate the importance of the following:	Number of Respondents					Percentage				
	Very Unimportant	Unimportant	Neutral	Important	Very Important	Very Unimportant	Unimportant	Neutral	Important	Very Important
Overall quality of the education you received at IUPUI	0	0	0	14	39	0%	0%	0%	26%	74%
Quality of teaching by faculty in your major area	0	0	0	13	40	0%	0%	0%	25%	75%
Quality of teaching by other faculty at IUPUI	0	0	0	20	33	0%	0%	0%	38%	62%
Academic advising in your major department	0	1	1	18	33	0%	2%	2%	34%	62%
Courses in your major area	1	0	2	12	38	2%	0%	4%	23%	72%
Required courses outside major area (gen ed reqs)	0	0	7	25	21	0%	0%	13%	47%	40%
Personal attention from those in your major department	0	3	2	19	29	0%	6%	4%	36%	55%
Opportunities to increase your self-understanding	0	0	3	18	32	0%	0%	6%	34%	60%
Opportunities to work with other students in groups or teams	1	4	9	19	20	2%	8%	17%	36%	38%
Opportunities to integrate learning w/ personal experiences	0	2	8	16	27	0%	4%	15%	30%	51%
Opportunities to engage in community services	1	5	13	18	16	2%	9%	25%	34%	30%
Opportunities to engage in extra-curricular activities	2	7	16	17	11	4%	13%	30%	32%	21%
Opportunities to participate in faculty members' research	0	5	6	15	27	0%	9%	11%	28%	51%
The helpfulness of IUPUI staff in general	0	1	3	17	32	0%	2%	6%	32%	60%

Campus Climate for Diversity

Indicate how frequently you experienced the following:	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	4	3	8	16	25	7%	5%	14%	29%	45%
Participated in classroom discussions and activities that included contributions from students with diverse backgrounds and perspectives	3	4	12	17	20	5%	7%	21%	30%	36%
Had experiences in class that enhanced your understanding of the history, culture, or social concerns of people from diverse backgrounds	2	7	15	18	14	4%	13%	27%	32%	25%
Took a class that increased your understanding of multiculturalism and diversity	4	8	17	10	17	7%	14%	30%	18%	30%
Attended campus events or activities that increased your understanding of multiculturalism and diversity	19	15	11	7	4	34%	27%	20%	13%	7%
Saw or read racist, antigay/lesbian, or sexist material (including graffiti) on campus	29	13	10	1	3	52%	23%	18%	2%	5%
Felt a sense of negative conflict between diverse groups on campus	27	19	7	1	2	48%	34%	13%	2%	4%

Civic Engagement Activity

Indicate how often you have engaged in the following activities over the past year:	Number of Respondents			Percentage		
	Never	Often	Frequently	Never	Often	Frequently
Worked with a person or group to solve a problem in the community where you live	39	10	7	70%	18%	13%
Donated professional services without compensation	31	20	5	55%	36%	9%
Donated money to a political candidate or cause	41	11	4	73%	20%	7%
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	27	7	39%	48%	13%
Contacted or visited a public official to ask for assistance or express your opinion on a political or community issue	43	9	4	77%	16%	7%
Contacted a newspaper or magazine to express your opinion on a political or community issue	45	8	3	80%	14%	5%
Called in to a radio or TV talk show to express your opinion on a political or community issue	49	5	2	88%	9%	4%
Signed a petition to express your opinion on a political or community issue	32	16	8	57%	29%	14%
Worked with a political group or for a campaign or political official	47	6	2	85%	11%	4%
Not bought or boycotted something because of the conditions under which is was made	34	15	7	61%	27%	13%
Worn a campaign button, put a sticker on your car or placed a sign in front of your house supporting an issue or candidate	40	10	6	71%	18%	11%

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	9	25	15	6	16%	45%	27%	11%
Being very well-off financially	2	19	26	9	4%	34%	46%	16%
Helping others who are in difficulty	0	9	28	19	0%	16%	50%	34%
Helping to promote racial understanding	4	14	22	16	7%	25%	39%	29%
Keeping up-to-date with political affairs	4	22	22	8	7%	39%	39%	14%
Working on social justice issues	3	21	23	9	5%	38%	41%	16%
Knowing your neighbors	5	18	22	11	9%	32%	39%	20%
Being actively involved in community issues	1	24	23	8	2%	43%	41%	14%

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	4%	
Moderately active	11	20%	
Slightly active	19	34%	
Not at all active	24	43%	

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

	N	%	
Be more active	33	59%	
Be less active	1	2%	
Maintain current level of activity	22	39%	

Comparative Analysis

Comparisons between 57 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	4.55	4.48	0.07	
Solving mathematical problems	3.95	3.74	0.20	
Using the computer applications that are most common to my field of work or study	4.14	4.22	-0.07	
Finding useful information on the Internet for work-related projects	4.48	4.40	0.08	
Writing clearly and effectively	4.50	4.33	0.17	
Speaking clearly and effectively	4.16	4.18	-0.02	
Working as part of a team to solve problems	4.21	4.36	-0.15	
Preparing a presentation that I will deliver to a group	4.02	3.97	0.05	
Writing a final report on a project or other work assignment	4.20	4.10	0.10	
Understanding a statistical report	3.84	3.51	0.33	*
Thinking critically and analytically	4.22	4.34	-0.12	
Evaluating other people's ideas and proposed solutions	4.04	4.14	-0.10	
Systematically reviewing & improving own ideas about how to approach an issue/problem	4.04	4.06	-0.03	
Creatively thinking about new ideas or ways to improve existing things	3.96	4.10	-0.13	
Discussing complex problems with co-workers to develop a better solution	4.05	4.14	-0.08	
Applying what I learned in college to issues and problems I face every day	4.07	4.04	0.03	
Gathering information from a variety of sources when deciding what action to take	4.25	4.21	0.04	
Finding new ways to use my skills and knowledge as I encounter new situations/problems	4.18	4.13	0.05	
Doing research on an issue or topic before I plan a course of action	4.31	4.06	0.25	*
Putting ideas together in new ways	4.04	3.98	0.06	
Having a general understanding of subjects other than the one in which I majored	4.16	4.10	0.07	
Learning independently	4.49	4.36	0.13	
Learning new approaches to my work or to advanced studies	4.02	4.04	-0.03	
Trying different approaches to solving a problem	4.02	4.09	-0.07	
Managing many different tasks and obligations at the same time	4.44	4.30	0.14	
Having an in-depth understanding of my major field of study	4.05	4.04	0.02	
Dealing with conflict among co-workers and friends	4.07	3.92	0.16	
Working effectively with people of different races, ethnicities, and religions	4.62	4.50	0.12	
Communicating effectively with people who see things differently than I do	4.17	4.12	0.04	
Keeping my composure in difficult situations	4.24	4.13	0.10	
Exercising responsibilities as a citizen (voting, staying current w/comm. & political issues)	3.89	4.02	-0.13	
Making informed judgments when faced with ethical dilemmas	4.22	4.26	-0.05	
Recognizing the consequences of my actions when facing a conflict	4.36	4.30	0.07	
Making choices about my conduct based on thoughtful reasoning about what is appropriate	4.44	4.35	0.09	

[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	4.50	4.43	0.07	
Solving mathematical problems	3.45	3.55	-0.11	
Using the computer applications that are most common to my field of work or study	4.23	4.44	-0.21	
Finding useful information on the Internet for work-related projects	4.20	4.22	-0.02	
Writing clearly and effectively	4.55	4.54	0.01	
Speaking clearly and effectively	4.54	4.62	-0.08	
Working as part of a team to solve problems	4.41	4.42	-0.01	
Preparing a presentation that I will deliver to a group	4.13	3.99	0.13	
Writing a final report on a project or other work assignment	4.00	3.91	0.09	
Understanding a statistical report	3.67	3.57	0.10	
Thinking critically and analytically	4.65	4.60	0.06	
Evaluating other people's ideas and proposed solutions	4.21	4.26	-0.04	
Systematically reviewing & improving own ideas about how to approach an issue/problem	4.39	4.46	-0.07	
Creatively thinking about new ideas or ways to improve existing things	4.45	4.45	0.00	
Discussing complex problems with co-workers to develop a better solution	4.29	4.42	-0.13	
Applying what I learned in college to issues and problems I face every day	4.09	4.12	-0.03	
Gathering information from a variety of sources when deciding what action to take	4.34	4.34	-0.01	
Finding new ways to use my skills and knowledge as I encounter new situations/problems	4.38	4.45	-0.07	
Doing research on an issue or topic before I plan a course of action	4.29	4.15	0.14	
Putting ideas together in new ways	4.35	4.19	0.17	
Having a general understanding of subjects other than the one in which I majored	4.25	4.12	0.14	
Learning independently	4.47	4.47	0.01	
Learning new approaches to my work or to advanced studies	4.29	4.30	-0.01	
Trying different approaches to solving a problem	4.42	4.35	0.07	
Managing many different tasks and obligations at the same time	4.62	4.66	-0.04	
Having an in-depth understanding of my major field of study	4.15	4.37	-0.23	
Dealing with conflict among co-workers and friends	4.20	4.25	-0.05	
Working effectively with people of different races, ethnicities, and religions	4.55	4.51	0.04	
Communicating effectively with people who see things differently than I do	4.61	4.51	0.10	
Keeping my composure in difficult situations	4.69	4.62	0.07	
Exercising responsibilities as a citizen (voting, staying current w/comm. & political issues)	4.05	4.01	0.04	
Making informed judgments when faced with ethical dilemmas	4.56	4.44	0.13	
Recognizing the consequences of my actions when facing a conflict	4.49	4.51	-0.02	
Making choices about my conduct based on thoughtful reasoning about what is appropriate	4.55	4.51	0.04	

[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	1.34	1.10	0.24	*
Quality of teaching by faculty in your major area	1.34	1.01	0.33	*
Quality of teaching by other faculty at IUPUI	1.07	0.82	0.25	*
Academic advising in your major department	0.66	0.46	0.20	
Courses in your major area	1.20	0.99	0.21	
Required courses outside your major area	0.88	0.66	0.21	
Personal attention from those in your major department	1.02	0.80	0.22	
Opportunities to increase your self-understanding	1.05	0.73	0.32	*
Opportunities to work with other students in groups or teams	1.25	1.00	0.25	*
Opportunities to integrate what you have learned with personal experiences	1.02	0.91	0.11	
Opportunities to engage in community services	0.61	0.34	0.27	*
Opportunities to engage in extra-curricular activities	0.46	0.24	0.23	
Opportunities to participate in faculty members' research	0.77	0.01	0.76	*
The helpfulness of IUPUI staff in general	1.11	0.78	0.33	*

[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	1.74	1.66	0.08	
Quality of teaching by faculty in your major area	1.75	1.68	0.07	
Quality of teaching by other faculty at IUPUI	1.62	1.36	0.26	*
Academic advising in your major department	1.57	1.40	0.16	
Courses in your major area	1.62	1.58	0.04	
Required courses outside your major area	1.26	0.90	0.36	*
Personal attention from those in your major department	1.40	1.36	0.04	
Opportunities to increase your self-understanding	1.55	1.23	0.32	*
Opportunities to work with other students in groups or teams	1.00	0.87	0.13	
Opportunities to integrate what you have learned with personal experiences	1.28	1.19	0.09	
Opportunities to engage in community services	0.81	0.52	0.29	*
Opportunities to engage in extra-curricular activities	0.53	0.35	0.18	
Opportunities to participate in faculty members' research	1.21	0.31	0.90	*
The helpfulness of IUPUI staff in general	1.51	1.17	0.34	*

[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	2.98	2.74	0.25	
Participated in classroom discussions and activities that included contributions from students with diverse backgrounds and perspectives	2.84	2.82	0.02	
Had experiences in class that enhanced your understanding of the history, culture, or social concerns of people from diverse backgrounds	2.63	2.52	0.11	
Took a class that increased your understanding of multiculturalism and diversity	2.50	2.21	0.29	
Attended campus events or activities that increased your understanding of multiculturalism and diversity	1.32	1.12	0.20	
Saw or read racist, antigay/lesbian, or sexist material (including graffiti) on campus	0.86	0.63	0.23	
Felt a sense of negative conflict between diverse groups on campus	0.79	0.65	0.14	

[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	0.43	0.57	-0.14	
Donated professional services without compensation	0.54	0.70	-0.17	
Donated money to a political candidate or cause	0.34	0.37	-0.03	
Donated money to a human-services or community services organization (e.g. United Way, a local food bank, etc.), or other non-profit organization	0.73	0.98	-0.25	*
Contacted or visited a public official to ask for assistance or express your opinion on a political or community issue	0.30	0.29	0.01	
Contacted a newspaper or magazine to express your opinion on a political or community issue	0.25	0.15	0.10	
Called in to a radio or TV talk show to express your opinion on a political or community issue	0.16	0.08	0.08	
Signed a petition to express your opinion on a political or community issue	0.57	0.45	0.12	
Worked with a political group or for a campaign or political official	0.18	0.14	0.04	
Not bought or boycotted something because of the conditions under which is was made	0.52	0.47	0.04	
Worn a campaign button, put a sticker on your car or placed a sign in front of your house supporting an issue or candidate	0.39	0.42	-0.02	

[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

Indicate the importance to you personally of each of the following… [g]	SCI Means	All other Bachelors	Difference in Means	Significance
Influencing the political structure	1.33	1.16	0.17	
Being very well-off financially	1.75	1.71	0.04	
Helping others who are in difficulty	2.18	2.02	0.16	
Helping to promote racial understanding	1.89	1.60	0.29	
Keeping up-to-date with political affairs	1.61	1.48	0.12	
Working on social justice issues	1.68	1.73	-0.05	
Knowing your neighbors	1.70	1.48	0.22	
Being actively involved in community issues	1.68	0.00	1.68	

[g] *Scale: 0=Not Important, 1=Somewhat Important, 2=Very Important, 3=Essential.*

Addendum - Demographics

Sample Demographics

Sex

	N	%	
Female	40	70%	████████████████████
Male	17	30%	██████

Age*

	Mean
	26.1

* Reported as averages.

Degree Type

	N	%
BACH	57	100%
ASSOC	0	0%
CERT	0	0%

GPA*

	Mean
	3.2

* Reported as averages.

Ethnicity

	N	%	
Asian or Pacific Islander	4	7%	██
African American	3	5%	██
Hispanic	0	0%	
American Indian/Alaskan Native	0	0%	
Non-resident Alien	1	2%	▪
White, non-Hispanic	47	82%	█████████████████████████
Other American	2	4%	██

Addendum - Employment

Employer

	N	%	
Clarian Health	2	33%	████████
Indiana University	2	33%	████████
IUPUI	2	33%	████████

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

Addendum - Educational Pursuits

Institution

	N	%	
IUPUI	5	42%	
Indiana University	3	25%	
University of Colorado-Boulder	2	17%	
University of Dayton	2	17%	

Field of Study

	N	%	
Medicine	3	33%	
Law	2	22%	
School Psychology	2	22%	
Social Work	2	22%	

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