

NJIT

New Jersey's Science &  
Technology University

# Alumni Survey Fall 2005

**Institutional Research and Planning**

# Demographics

College	Sample		Actual	
	n	%	n	%
School of Architecture	22	5%	244	5%
College of Computing Science	100	22%	1161	26%
College of Science and Liberal Arts	55	12%	531	12%
Newark College of Engineering	204	45%	1802	40%
School of Management	37	8%	491	11%
Non-matriculated	33	7%	320	7%

Year of graduation	Sample		Actual	
	n	%	n	%
2002	101	22%	1432	31%
2003	151	33%	1432	31%
2004	199	44%	1690	38%

**Response Rate: 10%**

# Demographics

<b>Gender</b>	<b>Sample</b>		<b>Actual</b>	
	<b>n</b>	<b>%</b>	<b>n</b>	<b>%</b>
Male	333	74%	3306	73%
Female	117	26%	1225	27%

<b>Ethnicity</b>	<b>Sample</b>		<b>Actual</b>	
	<b>n</b>	<b>%</b>	<b>n</b>	<b>%</b>
Asian	177	39%	1975	43%
Black	48	11%	403	9%
Hispanic	33	7%	319	7%
Native American	1	<1%	11	<1%
White	139	31%	1231	27%
Unknown	53	12%	615	14%

## Section I: Your NJIT Experience

Q1. As you look back on your NJIT experience, what was the most meaningful part of it?

	<b>Frequency</b>	<b>Percent</b>
Classes	130	30.2%
Classmates	115	26.7%
Professors/instructors	109	25.3%
Networking	24	5.6%
Student organizations/clubs	22	5.1%
Greek organizations	13	3.0%
Extracurricular activities	12	2.8%
Sports/sporting events	6	1.4%
<b>Total</b>	<b>431</b>	<b>100.0%</b>

## Section I: Your NJIT Experience

Q2. What alumni programs/services do you feel are most valuable? Please check all that apply.

	<b>Frequency (n = 451)</b>	<b>Percent</b>
Lifelong e-mail	255	56.5%
Career/employment/networking	244	54.1%
Scholarship program	119	26.4%
Directories (alumni and business)	118	26.2%
The Alumni Magazine of NJIT	109	24.2%
Reunions/homecoming	62	13.7%
Insurance	33	7.3%
Travel	31	6.9%
Chapter program	28	6.2%
Credit card	19	4.2%

## Section II: Overall Assessment

*How well did NJIT develop your abilities in the following skills?*

	<b>Mean (n = 451)</b>	<b>Std. Deviation</b>
Problem Solving	3.86	0.941
Mathematics	3.79	1.008
Computer skills	3.78	0.988
Teamwork	3.72	1.035
Science	3.65	0.979
Program specific skills	3.58	1.044
Creative Thinking	3.57	1.022
Oral communication and presentation	3.52	1.032
Interpersonal Communications	3.43	1.018
Written Communication	3.37	1.095
Humanities/Social Sciences	3.26	0.987
<b>How well did NJIT prepare you for your career/profession?</b>	<b>3.51</b>	<b>1.026</b>

5 – Excellent, 4 – Good, 3 – Satisfactory, 2 – Fair, 1 – Poor

## Section II: Overall Assessment

*How well did NJIT develop your abilities in the following skills?*

	Means by school				
	ARCH (n = 22)	CCS (n = 100)	CSLA (n = 55)	NCE (n = 204)	SOM (n = 37)
Science	3.24	3.61	3.76	3.65	3.39
Mathematics	3.53	3.77	3.80	3.95	3.56
Humanities/Social Sciences	3.59	3.15	3.19	3.45	3.47
Program specific skills	3.85	3.49	3.59	3.50	3.63
Computer skills	3.90	3.87	3.67	3.88	3.85
Problem Solving	4.00	3.89	3.85	3.78	3.91
Creative Thinking	4.05	3.40	3.61	3.40	3.71
Written Communication	3.53	3.35	3.38	3.35	3.32
Oral communication and presentation	3.73	3.47	3.50	3.49	3.82
Interpersonal Communications	3.62	3.45	3.38	3.47	3.61
Teamwork	3.81	3.61	3.76	3.49	4.09
<b>How well did NJIT prepare you for your career/profession?</b>	<b>3.67</b>	<b>3.33</b>	<b>3.57</b>	<b>3.58</b>	<b>3.39</b>

5 – Excellent, 4 – Good, 3 – Satisfactory, 2 – Fair, 1 – Poor

## Section III: Assessment of education and services to students

	<b>Mean (n = 451)</b>	<b>Std. Deviation</b>
Intellectual atmosphere	3.55	0.966
Faculty relationship with students	3.53	1.110
General professionalism of the program	3.49	1.029
Relevance of the program to job performance	3.43	1.108
Campus climate	3.25	1.053
Curricular advising	3.17	1.208
Career advising	2.69	1.297

5 – Excellent, 4 – Good, 3 – Satisfactory, 2 – Fair, 1 – Poor

# Section III: Assessment of education and services to students

## Q19. Career advisement

	n	Mean	Standard Deviation
Graduate	195	2.76	1.283
Undergraduate	225	2.63	1.310

*Note: The T-test showed no significant difference in the means.*

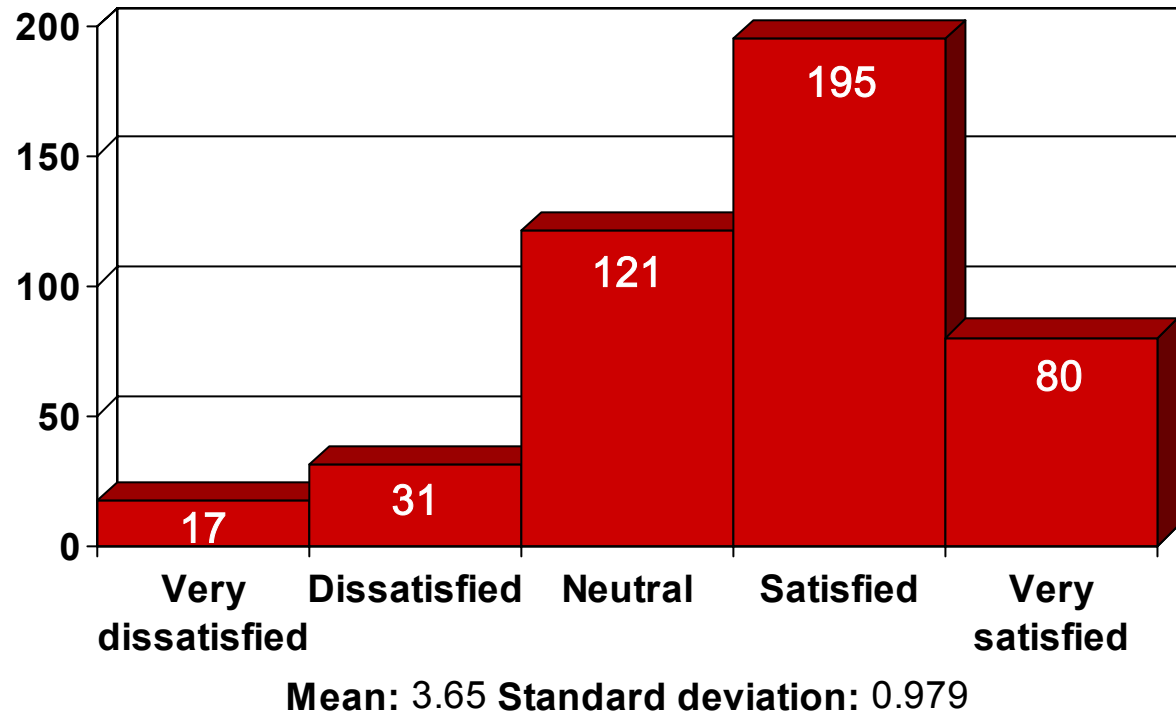
		n	Mean	Standard Deviation
School of Architecture	G	3	1.33*	0.577
	U	19	3.05	1.079
College of Computing Sciences	G	44	2.45	1.130
	U	50	2.24	1.222
Newark College of Engineering	G	94	2.91	1.276
	U	99	2.77	1.308
College of Science and Liberal Arts	G	23	2.87	1.058
	U	27	2.11	1.251
School of Management	G	14	2.57	1.284
	U	18	2.78	1.309

ARCH undergraduates and NCE graduates are the most satisfied.  
 CCS undergraduates and CSLA undergraduates are the least satisfied.

\* This score should be disregarded, due to a low n.

## Section III: Assessment of education and services to students

Q23. Overall, how satisfied are you with your NJIT experience? (n = 444)



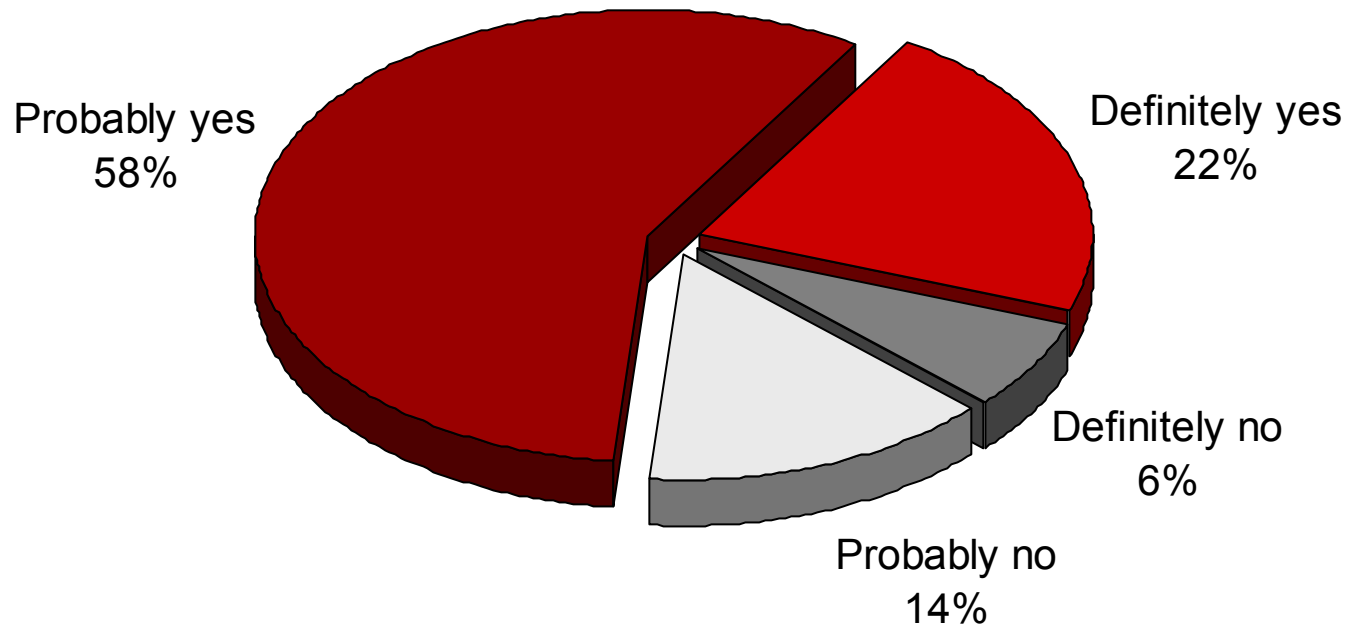
## Section III: Assessment of education and services to students

	<b>Means by school</b>				
	<b>ARCH</b> (n = 22)	<b>CCS</b> (n = 100)	<b>CSLA</b> (n = 55)	<b>NCE</b> (n = 204)	<b>SOM</b> (n = 37)
Faculty relationship with students	3.59	3.34	3.58	3.46	3.80
Relevance of the program in major to job performance	3.81	3.21	3.45	3.52	3.58
Intellectual atmosphere	3.50	3.38	3.63	3.72	3.37
Curricular advising	3.36	2.89	3.28	3.02	3.32
Career advising	2.82	2.34	2.84	2.46	2.69
General professionalism of the program	3.64	3.13	3.56	3.57	3.61
Campus climate	3.14	3.16	3.32	3.46	3.09
<b>Overall, how satisfied are you with your NJIT experience?</b>	<b>3.81</b>	<b>3.49</b>	<b>3.69</b>	<b>3.69</b>	<b>3.67</b>

5 – Excellent, 4 – Good, 3 – Satisfactory, 2 – Fair, 1 – Poor

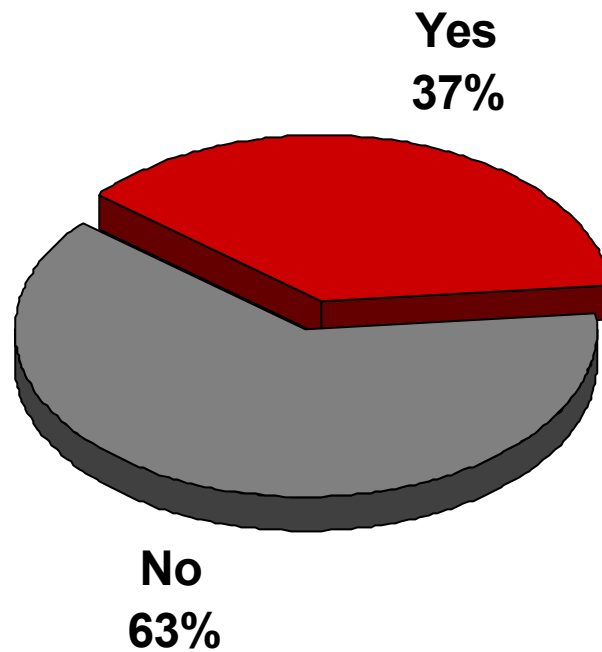
## Section III: Assessment of education and services to students

Q22. If you had to do it over again, would you choose NJIT? (n = 438)

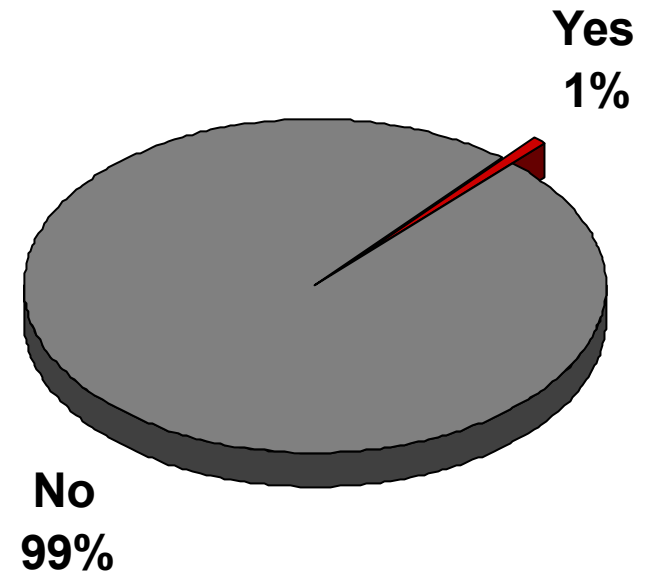


## Section IV: Continuing education

Q24. Since graduating from NJIT, have you undertaken formal education? (n = 417)

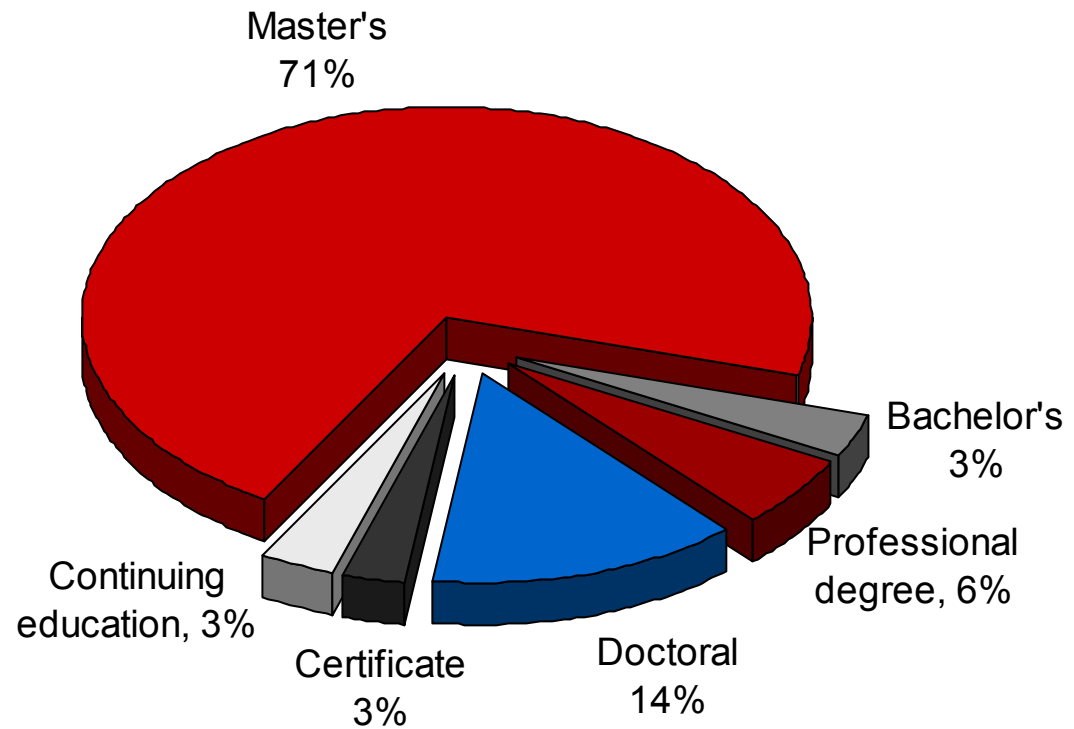


Q24(a). If not, do you plan to seek further formal education in the future? (n = 262)



## Section IV: Continuing education

Q27. What degree are/were you seeking? (n = 145)  
*Students who have undertaken further formal education only*



## Section IV: Continuing education

Q28. Name of institution  
(n = 163, top 4 schools,  
undergraduates only)

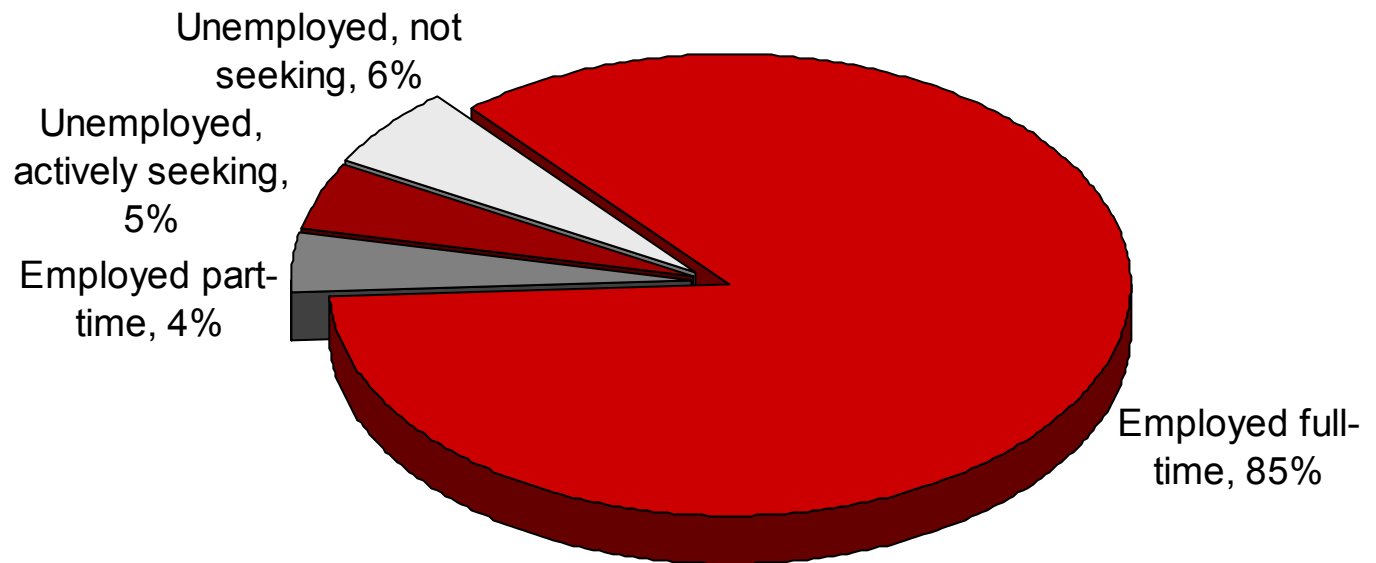
NJIT	26
Stevens	9
NYU	5
Columbia	3

Q29. Field of study  
(n = 182, undergraduates only)

Engineering	28%
Management	24%
Computer	23%
Science	1%
Architecture	5%
Health	10%
Liberal arts	1%
Education	4%
Law	4%

## Section V: Employment history

Q31. Which of the following best describes what you are currently doing? (n = 436)



# Section V: Employment by school

School	UG	Response	n	Percent
ARC	G	Employed full-time	2	66.66*
		Employed part-time	1	33.3
		<b>Total</b>	<b>3</b>	<b>100.0</b>
	U	Employed full-time	17	89.5
		Employed part-time	1	5.3
		Unemployed (not actively seeking)	1	5.3
		<b>Total</b>	<b>19</b>	<b>100.0</b>
	CCS	G	Employed full-time	46
Employed part-time			1	2.1
Unemployed (actively seeking)			1	2.1
<b>Total</b>			<b>48</b>	<b>100.0</b>
U		Employed full-time	40	80.0
		Employed part-time	3	6.0
		Unemployed (actively seeking)	6	12.0
		Unemployed (not actively seeking)	1	2.0
		<b>Total</b>	<b>50</b>	<b>100.0</b>
CSLA	G	Employed full-time	17	70.8
		Employed part-time	1	4.2
		Unemployed (actively seeking)	3	12.5
		Unemployed (not actively seeking)	3	12.5
		<b>Total</b>	<b>24</b>	<b>100.0</b>
	U	Employed full-time	20	71.4
		Employed part-time	1	3.6
		Unemployed (actively seeking)	1	3.6
		Unemployed (not actively seeking)	6	21.4
<b>Total</b>	<b>28</b>	<b>100.0</b>		

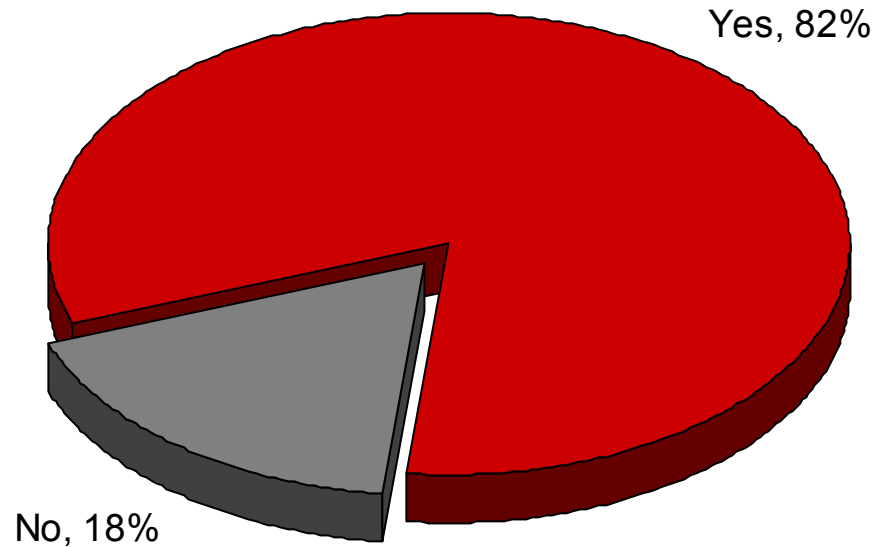
\* This score should be disregarded, due to a low n.

## Section V: Employment by school

School	U/G	Response	n	Percent
NCE	G	Employed full-time	78	83.0
		Employed part-time	5	5.3
		Unemployed (actively seeking)	5	5.3
		Unemployed (not actively seeking)	6	6.4
		<b>Total</b>	<b>94</b>	<b>100.0</b>
	U	Employed full-time	92	89.3
		Employed part-time	2	1.9
		Unemployed (actively seeking)	3	2.9
		Unemployed (not actively seeking)	6	5.8
		<b>Total</b>	<b>103</b>	<b>100.0</b>
SOM	G	Employed full-time	15	88.2
		Employed part-time	2	11.8
		<b>Total</b>	<b>17</b>	<b>100.0</b>
	U	Employed full-time	15	83.3
		Unemployed (actively seeking)	1	5.6
		Unemployed (not actively seeking)	2	11.1
		<b>Total</b>	<b>18</b>	<b>100.0</b>

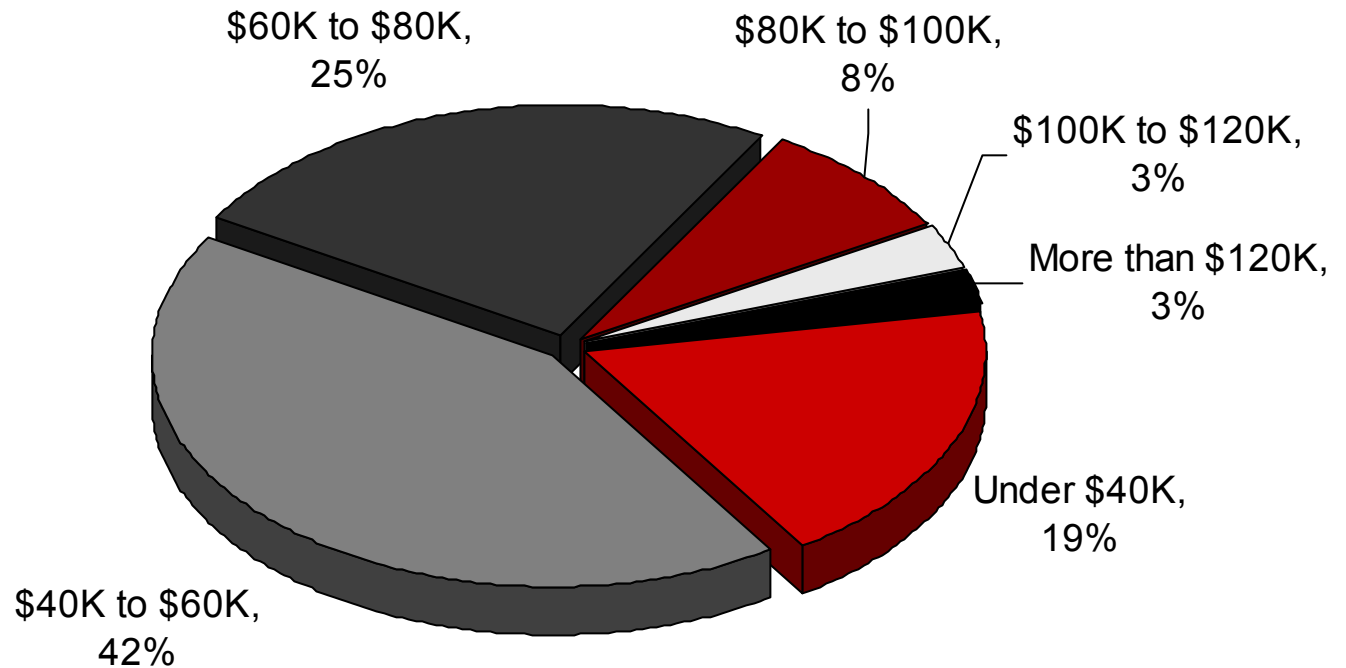
## Section V: Employment history

Q33. Is your job related to the field in which you majored? (n = 358)



## Section V: Employment history

Q34. What is your current salary? (n = 372)



# Correlations

*Career preparation satisfaction and overall satisfaction **are** correlated:*

		Q3	Q23
Q3. How well did NJIT prepare you for your career/profession?	Pearson Correlation	1	<b>0.656</b>
	Sig. (2-tailed)		0.000
	N	425	422
Q23. Overall, how satisfied are you with your NJIT experience?	Pearson Correlation	<b>0.656</b>	1
	Sig. (2-tailed)	0.000	
	N	422	444

*Salary and overall satisfaction **are not** correlated:*

		Q23	Salary
Q23. Overall, how satisfied are you with your NJIT experience?	Pearson Correlation	1	<b>-0.012</b>
	Sig. (2-tailed)		0.813
	N	444	361
Current salary	Pearson Correlation	<b>-0.012</b>	1
	Sig. (2-tailed)	0.813	
	N	361	362

## Q35. What was your favorite NJIT memory?

### *Academic (49% of replies)*

- “Having professors understanding what students are going through and taking time to advice student both in the academic and personal/professional realm. Having a diverse group of friend. This is an experience that I may not be able to receive elsewhere.”
- “Dr. H----’s classes, he always had a good example from his professional or academic life to give us as encouragement or, sometimes, simply entertainment with a hidden lesson to be learned. People who commit themselves to sharing their knowledge and wisdom, like Dr. H---- has been doing for so many years, perpetuate themselves in our hearts and in our future careers.”
- “Simply attending NJIT was my most favorite memory. I am thankful that I was fortunate enough to have the opportunity to study architecture and obtain a BArch at a reputable, respected institution. I am proud of being a graduate of NJIT NJSOA.”

## Q35. What was your favorite NJIT memory?

### *Social (21% of replies)*

- “What I remember most about NJIT is the wide range of people who come from different countries and make NJIT a global university. Some of these wonderful people whom I met on campus become good friends of mine.”
- “anticipating club and greek days. Usually NJIT would have an "introductory" period for these two types of organizations. The weather would still be warm, you got to have free food and participate in all types of activities. It was nice.”
- “The two years I lived on campus were the best. Seeing other students other than in the class rooms, getting to know them not just as a study partner. But as individuals that was the best for me.”
- “My favorite memories of NJIT are of the friends I made, the activities I participated in, especially Student Senate, and meeting the love of my life.”

## Q35. What was your favorite NJIT memory?

### *Campus organizations (20% of replies)*

- “Working with Residence Life (the training really teaches how to interact with others and going through the selection process taught a lot about applying for jobs in general). Also the many on campus events that go on as well (ie. Spring Week).”
- “enjoyed time spent with Honors college staff - extracurricular activities/meetings and recruitment events with the honors college were important and enjoyable to me.”
- “I was managing editor of The Vector for a few years, that was a great experience and a great time.”
- “Being a member/DJ of the university's radio station WJTB!”

## Q36. Suggestions and comments

### *Academic concerns (43% of comments)*

- Work on students communication and attention to detail. Things that are important in the "real world." Knowing textbook material is irrelevant if a person is unable to communicate it.
- Have the faculty more interested and available to the students. Majority of faculty were disinterested in their students. Create better social life on campus, and encourage students to be more social.
- Place students in job situations in their major during their freshman year, so they can get a taste of what their future holds. Most students do not know what they are in for, including myself.
- While attending the institution I had many great professors, many of which enjoyed what they did. Unfortunately, the institution had 10 times as many professors that were unable to teach or communicate the materials properly. At times I voiced my concerns about the teaching habits and a professor's inability to cover the material needed for a common exam. Unfortunately, when I requested a transfer from the Dept Head I was told, well it's your problem, the professor you have is an Engineer from NASA.

## Q36. Suggestions and comments

### *Career advisement (20% of comments)*

- The number one complain I have with NJIT is with Career Development Services. In three attempts to get a summer internship and a job after graduation, the entire department proved to be exceedingly unhelpful, often doing little more than pointing me to the online job database (which was much less help even than Monster or Hotjobs). My suggestion would be to completely revamp the way they deal with students seeking employment and try to find new ways to generate jobs and leads for said students
- Career advising and faculty association with students seemed inexistent. Increased support to students both financially and academically needs to be improved significantly.
- While we have career counselors at the school, I think that should be on a personal basis with the advisor and student. Maybe the idea could be introduced to the departments to be incorporated at time of advisement of student. Most student meet with their advisor just to have their holds removed. I think advisement should be lived up to its name and be fully implemented. In essence what I am saying is there should be a more personal relationship between student and advisor. Find out our career goals after college and have an input in some of the decisions that these students might make.