



1998 ALUMNI SURVEY

Name _____ Yr. of Graduation _____

Street _____ Last 4 digits of SSN _____

City _____ State _____ Zip _____

Phone _____ Fax _____ E-mail _____

Please identify yourself, if you choose, by circling one of the following categories:

African-American American Indian Asian Hispanic White Other

Please circle gender: M F

Section I: Undergraduate Experience

The School is constantly evaluating its educational program to best meet the needs of today's student in today's marketplace. Your answers to the following questions will help us.

A. What was your major? Please circle.

- | | |
|---------------------------------------|----------------------------------|
| Applied Mathematics | Geological Engineering |
| Applied Physics | Industrial Engineering |
| Bioengineering/Biomedical Engineering | Materials Science and Metallurgy |
| Civil Engineering | Mechanical Engineering |
| Chemical Engineering | Mineral Engineering |
| Computer Engineering | Mining Engineering |
| Computer Science | Nuclear Engineering |
| Electrical Engineering | Operations Research |
| Engineering and Management Systems | Other _____ |
| Engineering Mechanics | |

B. For each item below, circle the number that best describes your satisfaction with these aspects of your undergraduate education at Columbia University SEAS?

1 Very Dissatisfied 2 Dissatisfied 3 Neutral 4 Satisfied 5 Very Satisfied

- | | | | | | |
|--|---|---|---|---|---|
| Preparation for the job market | 1 | 2 | 3 | 4 | 5 |
| Services of Center for Career Services | 1 | 2 | 3 | 4 | 5 |
| Developing my innate abilities | 1 | 2 | 3 | 4 | 5 |
| Opportunities for new experiences | 1 | 2 | 3 | 4 | 5 |
| Quality of faculty | 1 | 2 | 3 | 4 | 5 |
| Campus environment | 1 | 2 | 3 | 4 | 5 |
| Relationship with alumni | 1 | 2 | 3 | 4 | 5 |

Of these areas, which one do you feel, if improved, would have the greatest impact on student education?

Please explain.

C. Based on your student experiences, please circle the number that best describes your satisfaction with the following services provided by the School:

0 Not Applicable 1 Very Dissatisfied 2 Dissatisfied 3 Neutral 4 Satisfied 5 Very Satisfied

Engineering library	0	1	2	3	4	5
Computer facilities---availability	0	1	2	3	4	5
Computer facilities--state-of-the-art hardware/software	0	1	2	3	4	5
Job/career placement services	0	1	2	3	4	5
Classrooms--maintenance and care	0	1	2	3	4	5
Classrooms--properly equipped for learning	0	1	2	3	4	5

Of these areas, which one do you feel, if improved, would have the greatest impact on student education?

Please explain.

D. For each item below, circle the number that best describes how well Columbia SEAS prepared you with the following skills and how important each is in your career to date..

1 Not At All 2 Slightly 3 Moderately 4 Very

	<i>How prepared at graduation</i>				<i>How important to career</i>			
	1	2	3	4	1	2	3	4
ANALYTIC/PROBLEM SOLVING SKILLS <i>To apply logic in solving problems; analyze problems from different points of view; apply theory to practice</i>	1	2	3	4	1	2	3	4
COMPUTER SKILLS <i>To know about and have the ability to use computers in engineering</i>	1	2	3	4	1	2	3	4
COMMUNICATION SKILLS <i>To articulate ideas clearly, both in writing and speaking, using facts to reinforce points.</i>	1	2	3	4	1	2	3	4
CREATIVE PROBLEM SOLVING <i>To think creatively, suggest new approaches, develop solutions, adapt to new situations.</i>	1	2	3	4	1	2	3	4
LIFE-LONG LEARNING <i>To stimulate independent learning and curiosity to know more about specific topics and the world in general.</i>	1	2	3	4	1	2	3	4
PROBLEM-SOLVING SKILLS <i>To identify problems/opportunities, collect and analyze data, make decisions and implement them.</i>	1	2	3	4	1	2	3	4

D.(continued) For each item below, circle the number that best describes how well Columbia SEAS prepared you with the following skills and how important each is in your career to date..

	1 Not At All	2 Slightly	3 Moderately	4 Very		1	2	3	4			
					<i>How prepared at graduation</i>	<i>How important to career</i>						
PROJECT MANAGEMENT <i>To set goals, prioritize tasks, meet project deadlines.</i>					1	2	3	4	1	2	3	4
RESEARCH SKILLS <i>To use resources, including computers, to acquire information, organize data, design and conduct experiments</i>					1	2	3	4	1	2	3	4
SYSTEMS THINKING SKILLS <i>To integrate new information with past knowledge to understand how topics interrelate.</i>					1	2	3	4	1	2	3	4
TEAMWORK SKILLS <i>To learn to participate, listen and cooperate with others, share information and reconcile differences.</i>					1	2	3	4	1	2	3	4

E. How important do you consider the liberal arts courses of Columbia’s “core curriculum” to your over-all education? Please circle the number.

- 1 Not At All Important 2 Marginally Important 3 Important 4 Very important

F. Would you recommend Columbia University SEAS to a friend or the child of a friend who is considering attending an engineering school?

- 1 No, under no circumstances
- 2 No, probably not
- 3 Yes, with strong reservations
- 4 Yes, with some reservations
- 5 Yes, with no reservations

G. If you could change one thing about SEAS or your major program, what would it be?

H. What was the one best thing you remember about being at Columbia SEAS or in your major program?

I. While attending School, what do you remember as the activity (social or recreational) that you enjoyed the most? _____

J. For each item below, circle the number that best describes your satisfaction with the following aspects of your undergraduate experience.

1 Very Dissatisfied 2 Dissatisfied 3 Neutral 4 Satisfied 5 Very Satisfied

Overall undergraduate experience	1	2	3	4	5
Academic experience	1	2	3	4	5
Academic in your major	1	2	3	4	5
Social experience	1	2	3	4	5
Cultural experience	1	2	3	4	5
Recreational experience	1	2	3	4	5

Section II: Further Education

The following questions will help us obtain more complete information about your prior educational history and further educational plans.

A. Have you received any other undergraduate degrees from Columbia University. Yes No
If yes, what degree? _____

B. Have you received any other undergraduate degree from a University other than Columbia?
Yes No

If yes, what degree? _____

What University? _____

Location (city, state) _____

C. Have you taken any courses toward a graduate degree since receiving your BS at Columbia?

Yes No

If yes, were these courses taken at Columbia University? Yes No

If yes, what school at Columbia? _____

D. Please tell us about the highest degree you have obtained or are currently working on.

Degree: _____

Area of study: _____

Institution _____

Location: _____

Have you received this degree yet? Yes No

Section III: Employment

The questions in this section are designed to help us understand how the education you received at the School relates to your choice of jobs.

A. Are you currently employed? Please circle the appropriate number.

- 1 Yes, full time (30 or more hours a week)
- 2 Yes, part time (fewer than 30 hours a week)
- 3 Yes, as a research, teaching or graduate assistant and I am enrolled in graduate school.
- 4 No, but I am seeking employment.
- 5 No, and I am not seeking employment.
- 6 No, I am enrolled in graduate school and not employed.

If you answered "No" (4,5, or 6 above), please skip to question C.

B. Listed below are typical occupations of engineering school graduates. In the spaces below, enter the code number for your first job after completing your bachelor's degree, and for your current job.

First Job _____ Current Job _____

<i>Code</i>	<i>Job description</i>	<i>Code</i>	<i>Job description</i>
01	Applied math/applied physics	14	Industrial engineering
02	Biomedical/bioengineering	15	Law
03	Chemical engineering	16	Materials science
04	Civil engineering	17	Mechanical engineering
05	Communications/media, film, advertising, journalism	18	Medicine/dentistry/veterinary medicine/other health diagnosing professionals
06	Computer analyst or programmer	19	Mining engineering
07	Computer engineering	20	Other health professions (nursing, therapists, dietitians)
08	Electrical engineering	21	Operations Research
09	Engineering mechanics	22	Teaching/administration (elementary or secondary)
10	Executive/administrative/management	23	Teaching/research/administration (college)
11	Financial analyst	24	Other: _____
12	Government/politics		
13	Homemaking		

C. Which of the following best describes the types of positions you have primarily had? Circle the number next to all that apply.

- | | |
|---|---|
| 1 Administrative | 7 Operations (production, quality assurance, maintenance) |
| 2 Educator | 8 Project Management /Engineering |
| 3 Executive | 9 Project Study and Analysis/Research |
| 4 Human Resources | 10 Sales/Marketing |
| 5 Non-engineering | 11 Other _____ |
| 6 Non-engineering Professional (medical doctor, lawyer) | |

D. Think about your first full-time job that you had after receiving your undergraduate degree. When did you obtain this job? (Please circle the number.)

- 1 Employed on job while a student
- 2 Secured job before or by graduation
- 3 Secured job after graduation. How many weeks after? _____
- 4 Did not attempt to secure employment immediately after graduation.

E. Was your first job related to your major at the School? Your current job? Please circle the number.

1 Same Field 2 Related Field 3 Different Field

First job	1	2	3	
Current job	1	2	3	Are you employed in a different field by choice? Yes No

F. How helpful was the preparation you received at Columbia SEAS for your first job and for the work you are now doing?

1 Not At All 2 Slightly 3 Moderately 4 Considerably

First job	1	2	3	4
Current job	1	2	3	4

G. Was there anyone, either at the School or during your career, who had a positive influence on you and your career? Yes No *If no, please go to Section IV, page 7.*

If yes, who was this individual? _____

What characteristics did this individual have?

Section IV: Alumni Association Events

The Columbia Engineering School Alumni Association (CESAA) is reviewing its programs to better meet the needs and interests of graduates such as yourself. Accordingly, your response to the questions outlined below will greatly assist CESAA in providing appropriate programs that will be of value and well attended.

A. How interested are you in the following alumni events that would be held in the New York area?
(Please circle the number next to each event.)

1 Not Interested 2 Interested 3 Very Interested

Networking and Cocktails in Midtown	1	2	3
Computer courses in Gateway Laboratory	1	2	3
Evening Lecture on an Engineering topic	1	2	3
Full-day seminar on an Engineering topic	1	2	3
What day of the week is best for you? _____			
Homecoming at Baker Field	1	2	3
Career development topics	1	2	3
Public speaking, presentation skills	1	2	3
Family programs (not necessarily engineering-related)	1	2	3
Arts programs (not necessarily engineering-related)	1	2	3
What alumni program would you most like to have presented? _____			

B. Please rank the following locations in order of preference as a site for Alumni Association programs, with **1 being the most desirable and 3 being the least desirable location.**

_____ Morningside Heights Campus _____ Midtown Manhattan _____ Downtown Manhattan

C. Would you like to join the Alumni Association Committee on Alumni Relations? Yes No
On Faculty Relations? Yes No On Student Relations? Yes No

D. If you live outside the New York City area, would you arrange to be in New York for specific alumni events? Yes No

E. If you live outside New York City, do you wish to join activities of your local Columbia University Club? Yes No

Do you wish to become involved in recruiting students for the School? Yes No

F. The Alumni Association is currently planning an Awards Dinner to be held in Low Memorial Library Rotunda in the Fall of 1998. Would you be willing to attend? Yes No

The dinner will be held on either Thursday or Friday evening. Which night would you prefer?
Thursday Friday

G. If you attend, would you bring a guest? Yes No

How much would you be willing to pay to attend such a dinner? \$ _____ per person

H. Would you like to have a guest speaker as part of the evening's formalities? Yes No

If yes, a suggested speaker would be _____

Section V: Center for Career Services

The Center for Career Services administers a Mentor Program matching students and alumni, conducts Mock Interviews for students using alumni volunteers, and assists students in obtaining internships and summer jobs as well as employment following graduation. If you are willing to assist the School through Career Services, you will be contacted by them directly .

- A. Would you be willing to provide career advice to SEAS students? Yes No
To SEAS alumni? Yes No
- B. Would you be willing to provide part-time jobs, internships, or summer jobs? Yes No
- C. Would you be willing to list full-time jobs with the Center? Yes No
- D. Would you be willing to participate in career development programming, which includes panels, mock interview days, and young alumni programs? Yes No
- E. Would you be willing to mentor an undergraduate student through periodic meetings and/or telephone conversations? Yes No

If you have answered "yes" to any of the above questions, how should Career Services contact you?

Name _____ Yr. _____

Best contacted by (specify e-mail, fax, phone, regular mail) _____

Thank you for helping us make our engineering education better for both current and future students and for assisting us in making our alumni events more enjoyable for you. Please be sure you have given us your name and graduation year on the first page before you use the enclosed, postage-paid envelope to return your survey. Survey results will be published in Engineering News.