1999 GRADUATE SURVEY RESULTS

Bachelor's Degree Recipients

	Electrical Engineering		College of Engineering		All Professional	
TOTAL NUMBER OF GRADUATES SURVEYED	182	100%	707	100%	2,177	100%
Questionnaires:						
Not returned	128	70%	436	62%	1,291	59%
Not delivered by post office	4	2%	22	3%	80	4%
Returned by graduate	50	27%	249	35%	806	37%
Responding graduates currently:						
Working & not planning full-time school	44	88%	215	86%	717	89%
Attending or waiting to attend school	6	12%	29	12%	71	9%
Unemployed			5	2%	18	2%

Master's Degree Recipients

	Electrical Engineering		College of Engineering		All Professional	
TOTAL NUMBER OF GRADUATES SURVEYED	73	100%	336	100%	1,663	100%
Questionnaires:						
Not returned	33	45%	135	40%	664	40%
Not delivered by post office	2	3%	9	3%	69	4%
Returned by graduate	38	52%	192	57%	930	56%
Responding graduates currently:						
Working & not planning full-time school	30	79%	160	83%	826	89%
Attending or waiting to attend school	7	18%	25	13%	67	7%
Unemployed	1	3%	7	4%	36	4%

Doctoral Degree Recipients

	Electrical Engineering		College of Engineering		All Professional	
TOTAL NUMBER OF GRADUATES SURVEYED	19	100%	58	100%	695	100%
Questionnaires:						
Not returned	9	47%	26	45%	310	45%
Not delivered by post office			3	5%	31	4%
Returned by graduate	10	53%	29	50%	354	51%
Responding graduates currently:						
Working & not planning full-time school	10	100%	29	100%	334	94%
Attending or waiting to attend school					11	3%
Unemployed					9	3%

DEMOGRAPHIC SUMMARY - Bachelor's Degree Recipients

	Electrical Engineering		College of Engineering		All Professional	
Current primary activity						
EMPLOYED BY A US ORGANIZATION						
Public sector:						
Postsecondary education			2	1%	21	3%
K-12 education			1	1%	6	1%
Government or military	2	5%	26	12%	79	11%
Private sector, including education:						
Non-profit			2	1%	57	8%
For profit	32	73%	133	61%	383	55%
Museum						
EMPLOYED BY AN INTERNATIONAL ORGANIZATION						
In the US	5	11%	22	10%	53	8%
Outside of the US			1	1%	4	1%
CONTINUING YOUR EDUCATION	4	9%	26	12%	68	10%
UNEMPLOYED	1	2%	6	3%	20	3%
Working						
JOB IS: Full-time, career field, permanent	28	65%	145	69%	384	55%
Full-time, career field, will change	13	30%	50	24%	207	29%
Full-time, outside career field	1	2%	7	3%	40	6%
Full-time, temporary	1	2%	6	3%	44	6%
Part-time			1	1%	29	4%
WORK IS: Definitely beneath my level	2	5%	12	6%	60	8%
Somewhat beneath my level	6	14%	31	15%	127	18%
At an appropriate level	35	81%	166	78%	504	71%
At too advanced a level			3	1%	15	2%
ATTENDING SCHOOL? Yes, related to UW education	5	12%	15	7%	28	4%
Yes, career related, new area	4	9%	18	9%	52	7%
Yes, not career related	1	2%	8	4%	23	3%
No	33	77%	169	80%	602	85%
MONTHLY INCOME: Under $1000					18	3%
1000- 1499			4	2%	42	6%
1500- 1999	2	5%	6	3%	56	8%
2000- 2499	5	12%	28	13%	131	19%
2500- 2999	1	2%	15	7%	123	18%
3000- 3499	7	16%	44	21%	117	17%
3500- 3999	7	16%	40	19%	71	10%
4000- 4500	11	26%	40	19%	68	10%
4500- 4999	8	19%	15	7%	27	4%
5000- 5499	1	2%	12	6%	24	3%
5500- 5999			2	1%	4	1%
Over $6000	1	2%	5	2%	20	3%

JOB LOCATION:	King, Pierce, Snohomish	8	20%	68	34%	348	53%
	Other Washington counties	11	28%	60	30%	148	22%
	Alaska, Idaho, Oregon	8	20%	16	8%	33	5%
	California, Hawaii	5	12%	20	10%	53	8%
	Mountain states	1	2%	12	6%	21	3%
	Central states	3	8%	6	3%	15	2%
	Eastern states	1	2%	10	5%	27	4%
	International	3	8%	9	4%	14	2%
JOB SEARCH:	Newspaper ads	6	14%	21	8%	84	10%
	The Internet	4	9%	42	17%	101	12%
	Professional organization			11	4%	45	5%
	Employment agency	1	2%	7	3%	36	4%
	Faculty advisor or committee	1	2%	21	8%	61	7%
	Networking/personal contacts	18	41%	98	39%	380	45%
	UW Center for Career Services	14	32%	52	21%	140	17%

Attending School

LEVEL OF EDUCATIONAL PROGRAM:	Bachelor's	5	42%	10	23%	28	24%
	Terminal Master			4	9%	12	10%
	Master's/PhD	7	58%	26	59%	48	41%
	Professional			3	7%	15	13%
	Vocational					6	5%
	Other			1	2%	7	6%
ARE YOU ALSO EMPLOYED?	Yes, by the school	6	50%	27	64%	36	35%
	Yes, other part-time			2	5%	15	14%
	Yes, other full-time	2	17%	5	12%	15	14%
	No	4	33%	8	19%	38	37%

Unemployed

REASON NOT WORKING	Volunteering					1	4%
	Raising a family			1	17%	4	17%
	Taking care of an ill relative						
	Traveling, etc.					1	4%
	Looking for work	1	100%	3	50%	11	46%
	Deciding what to do			1	17%	1	4%
	Taking time off					1	4%
	Disillusioned about job search			1	17%	5	21%

STUDENT INVOLVEMENT - Bachelor's Degree Recipients

If I had to make my college choice over again, I would choose to attend UW.

	Electrical Engineering		College of Engineering		All Professional	
Strongly disagree	2	4%	8	3%	36	5%
Disagree			5	2%	38	5%
Indifferent	11	22%	29	12%	100	13%
Agree	20	41%	94	38%	298	38%
Strongly agree	16	33%	110	45%	322	41%

During the past year, how many hours each month, on average, did you devoted to volunteer work or a community action program?

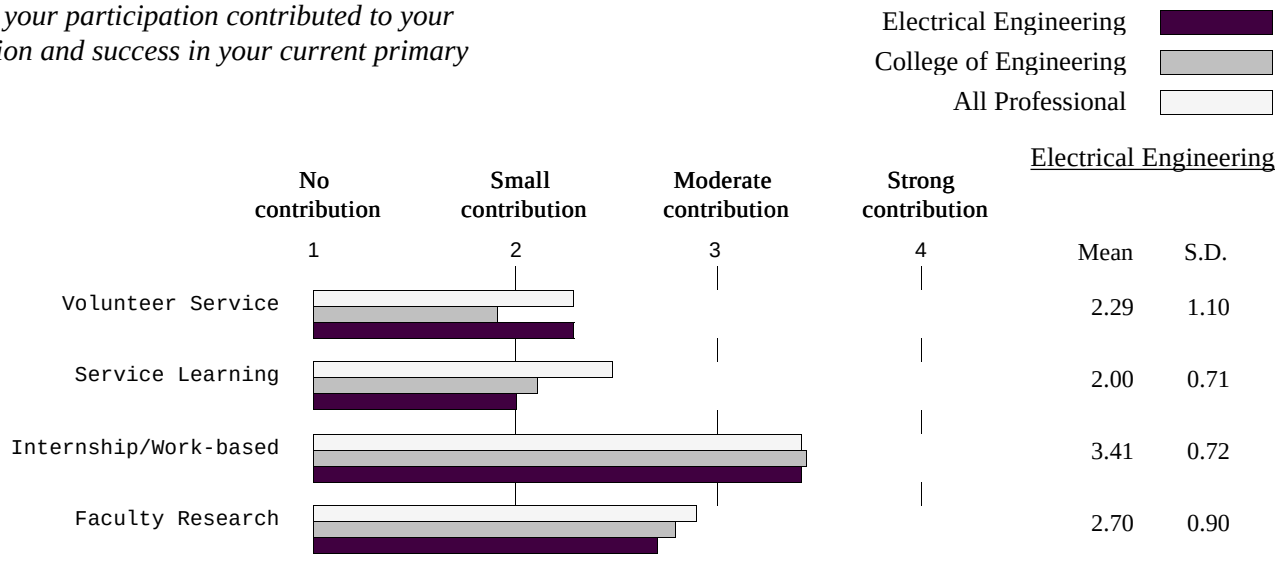
None	30	62%	156	64%	389	49%
1 - 3	14	29%	53	22%	192	24%
4 - 6	1	2%	15	6%	91	12%
7 - 10	2	4%	6	2%	31	4%
Over 10	1	2%	14	6%	86	11%

In the past year, approximately how much have you contrubuted monetarily to charities or philanthropies?

Less than $100	35	74%	149	61%	463	59%
$100 - 250	5	11%	48	20%	158	20%
$250 - 500	2	4%	15	6%	65	8%
$500 - 1000	4	9%	14	6%	42	5%
Over $1000	1	2%	17	7%	59	7%

While a UW student, did you participate in:	Yes	No	Yes	No	Yes	No
Community volunteer service (outside of UW)	14	34	88	155	408	374
Community service as part of a UW course (Service learning)	4	44	19	222	151	621
A public service internship or other work-based learning (for credit or pay)	22	26	109	134	365	414
Faculty research beyond being a research subject	10	38	76	166	199	570

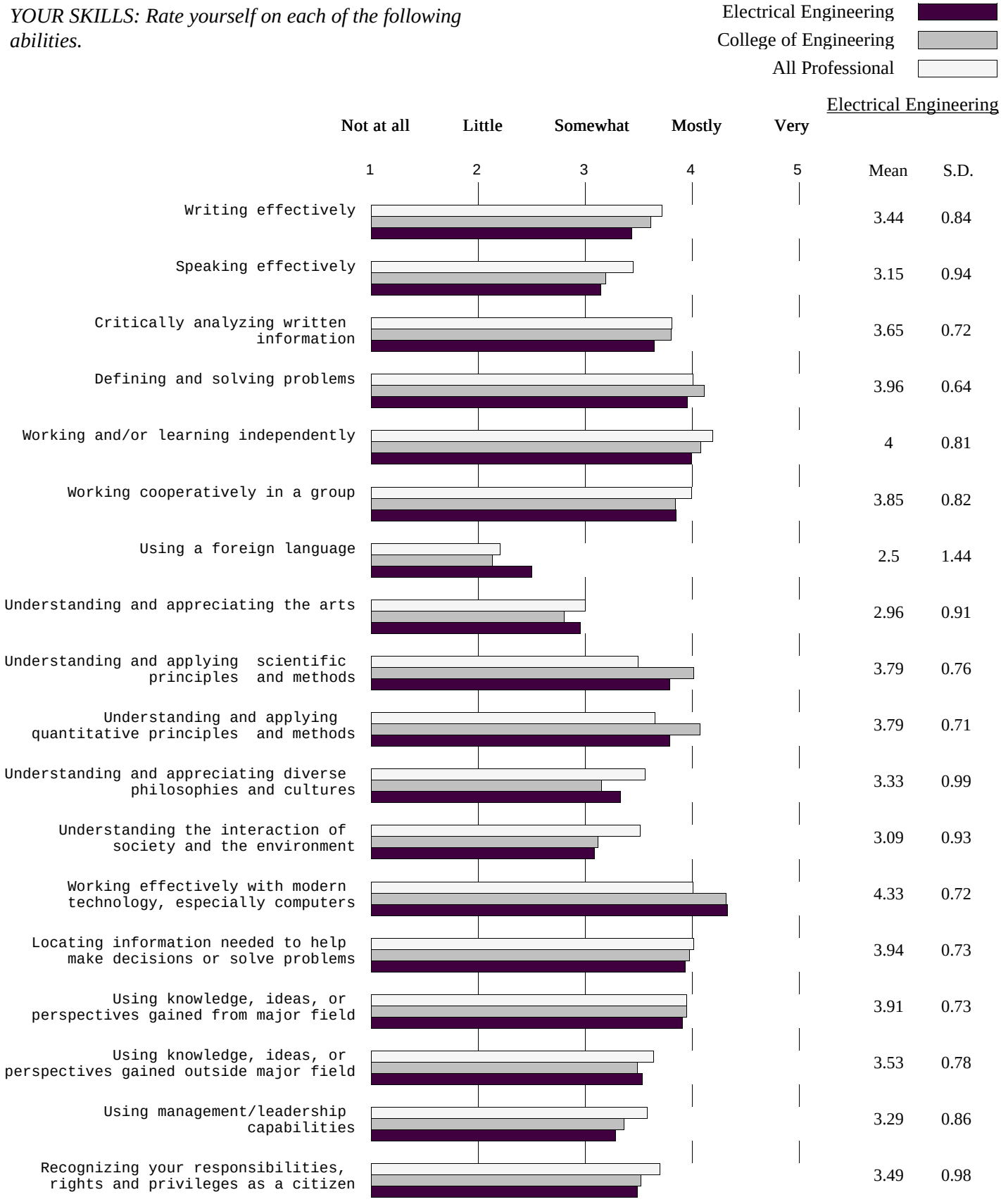
How has your participation contributed to your preparation and success in your current primary activity?



	Electrical Engineering Mean	S.D.
Volunteer Service	2.29	1.10
Service Learning	2.00	0.71
Internship/Work-based	3.41	0.72
Faculty Research	2.70	0.90

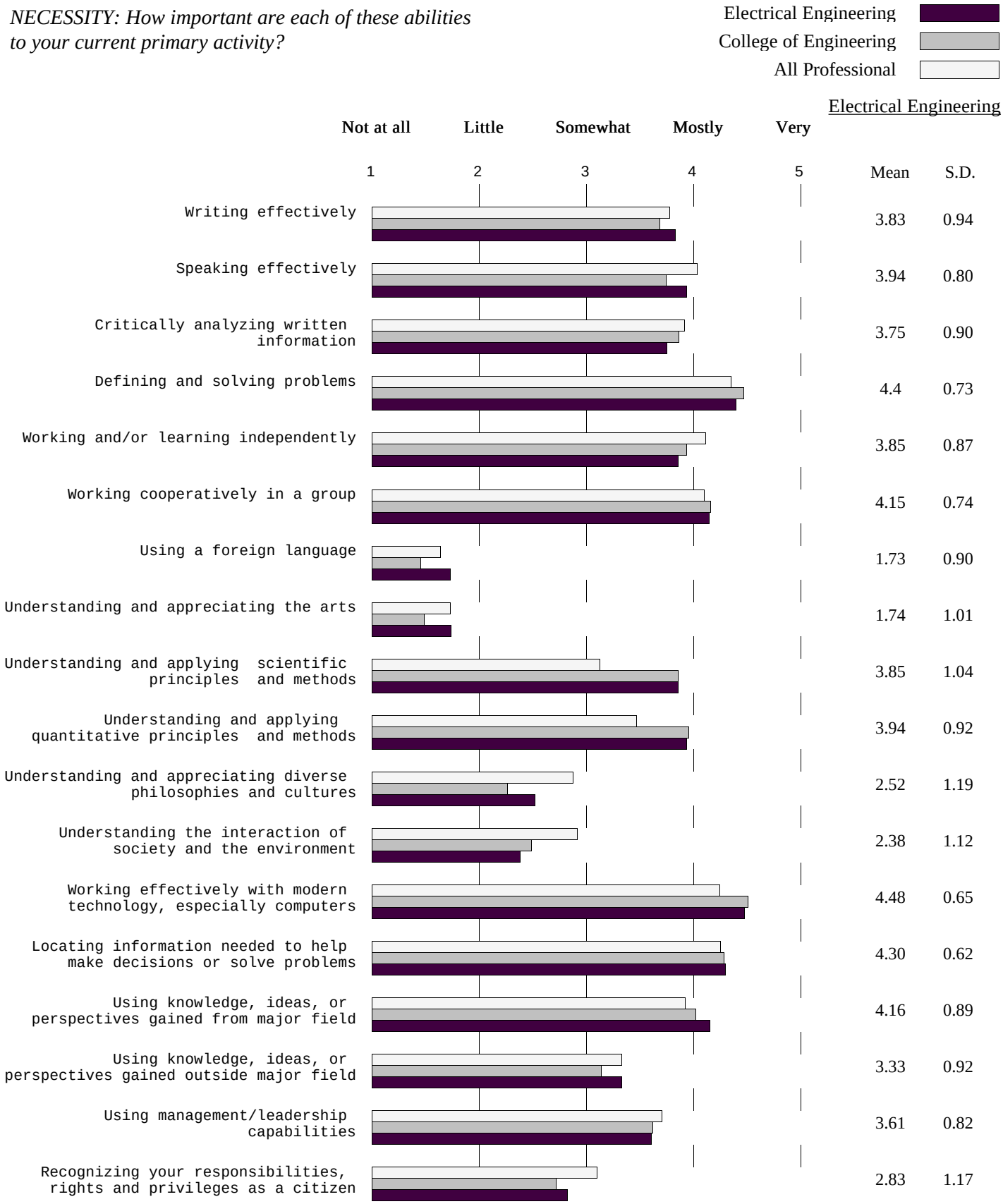
STUDENT OUTCOMES - Bachelor's Degree Recipients

YOUR SKILLS: Rate yourself on each of the following abilities.



STUDENT OUTCOMES - Bachelor's Degree Recipients

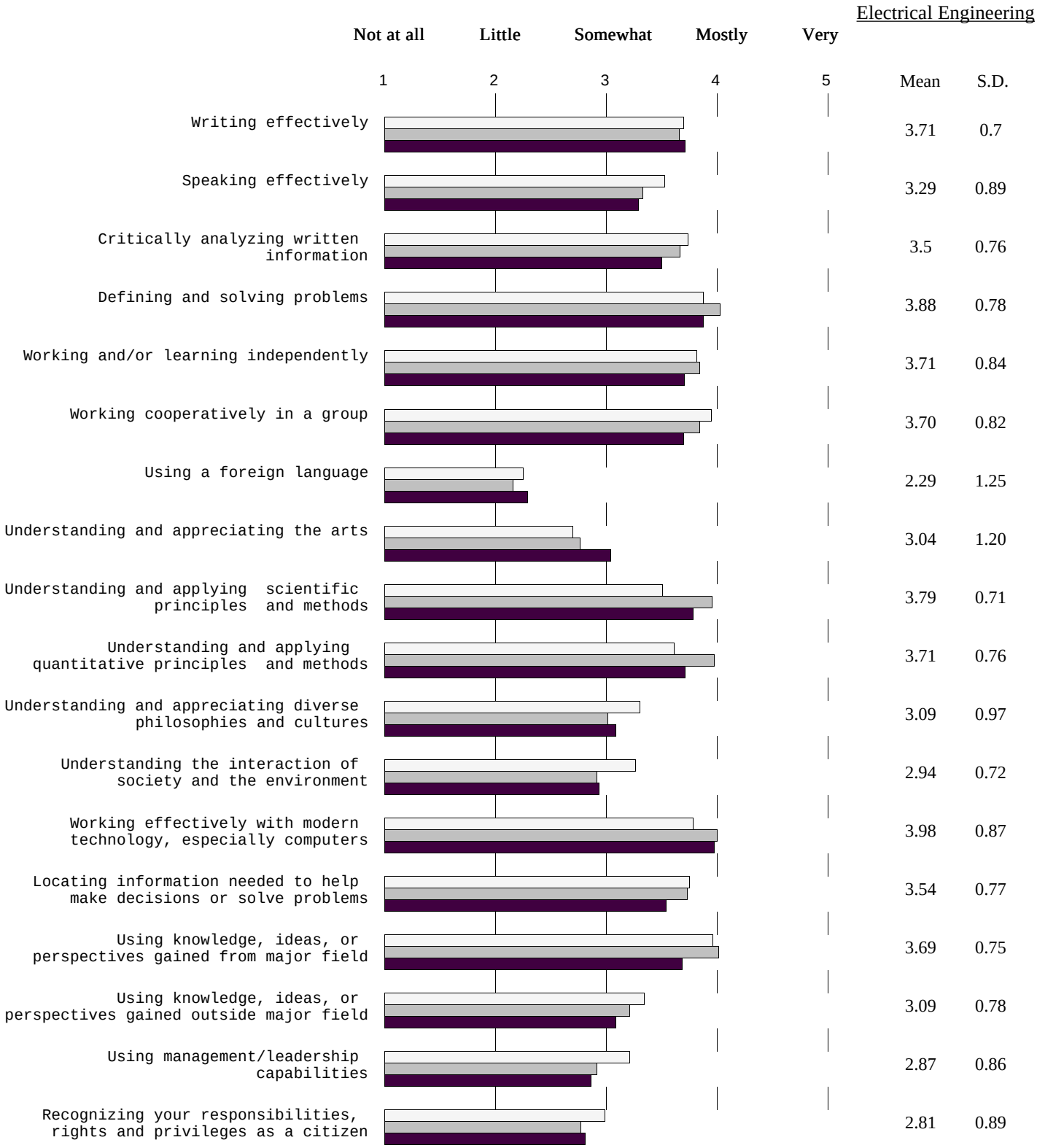
NECESSITY: How important are each of these abilities to your current primary activity?



STUDENT OUTCOMES - Bachelor's Degree Recipients

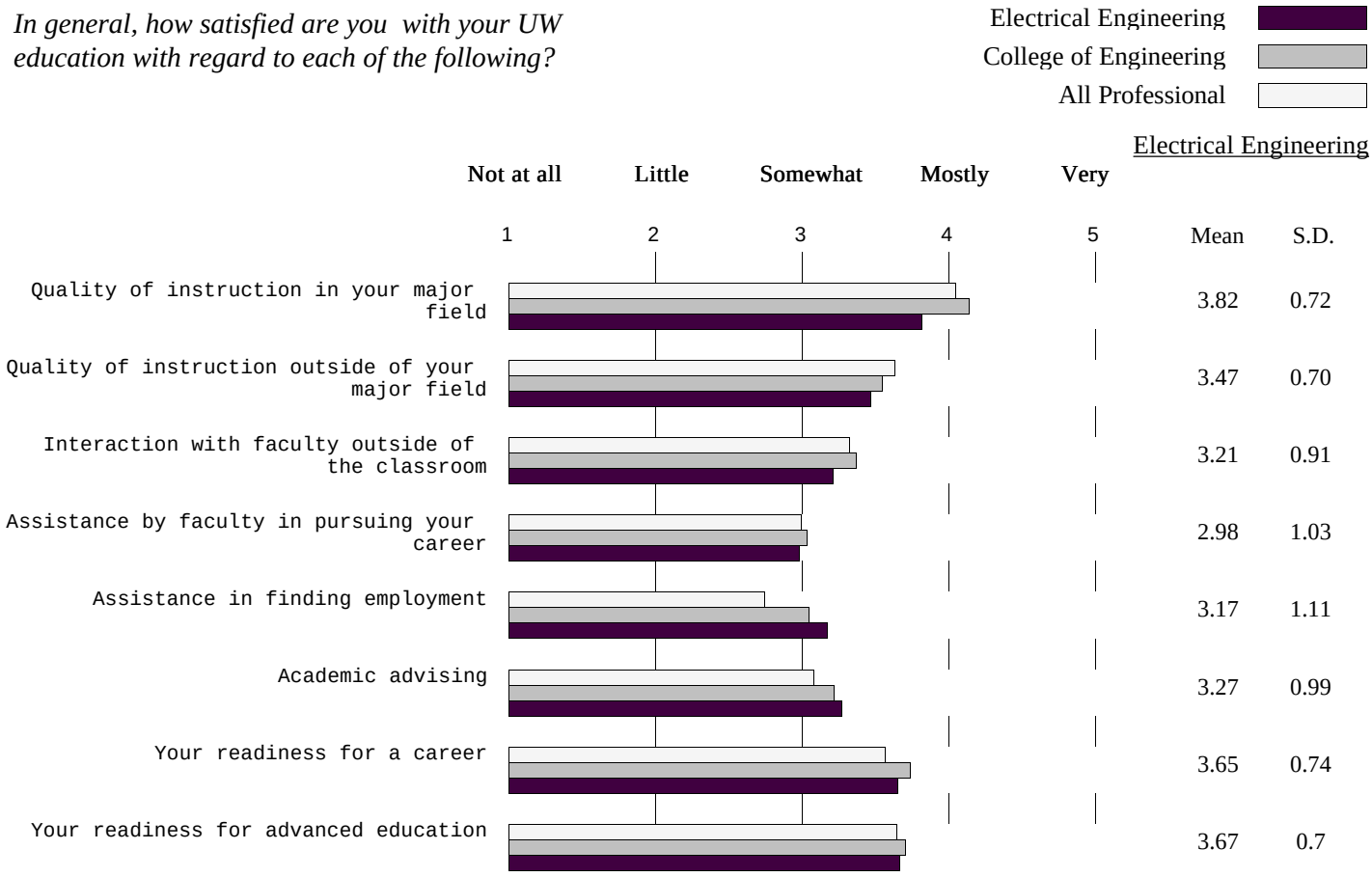
SATISFACTION: How satisfied are you with the University of Washington's contribution to your development in each area?

Electrical Engineering
College of Engineering
All Professional



STUDENT OUTCOMES - Bachelor's Degree Recipients

In general, how satisfied are you with your UW education with regard to each of the following?



	Electrical Engineering Mean	S.D.
Quality of instruction in your major field	3.82	0.72
Quality of instruction outside of your major field	3.47	0.70
Interaction with faculty outside of the classroom	3.21	0.91
Assistance by faculty in pursuing your career	2.98	1.03
Assistance in finding employment	3.17	1.11
Academic advising	3.27	0.99
Your readiness for a career	3.65	0.74
Your readiness for advanced education	3.67	0.7

DEMOGRAPHIC SUMMARY - Master's Degree Recipients

		Electrical Engineering		College of Engineering		All Professional	
Working							
JOB IS:	Full-time, career field, permanent	24	80%	111	69%	483	59%
	Full-time, career field, will change	6	20%	34	21%	201	24%
	Full-time, outside career field			4	2%	26	3%
	Full-time, temporary			4	2%	35	4%
	Part-time			7	4%	78	9%
WORK IS:	Definitely beneath my level	1	3%	6	4%	52	6%
	Somewhat beneath my level	5	17%	30	19%	142	17%
	At an appropriate level	24	80%	119	76%	614	75%
	At too advanced a level			2	1%	9	1%
ATTENDING SCHOOL?	Yes, post-graduate in my degree	5	17%	15	10%	70	9%
	Yes, career related, new area	10	33%	43	27%	123	15%
	Yes, not career related	1	3%	10	6%	47	6%
	No	14	47%	89	57%	573	70%
MONTHLY INCOME:	Under $500			1	1%	16	2%
	$500 - 999			1	1%	13	2%
	1000- 1499					26	3%
	1500- 1999			5	3%	49	6%
	2000- 2499	1	3%	10	6%	112	14%
	2500- 2999	2	7%	10	6%	92	11%
	3000- 3499	2	7%	18	12%	103	13%
	3500- 3999	3	10%	19	12%	78	10%
	4000- 4500	3	10%	27	17%	80	10%
	Over $4500	18	62%	64	41%	238	29%
JOB LOCATION:	King, Pierce, Snohomish	10	34%	54	36%	420	54%
	Other Washington counties	6	21%	46	30%	162	21%
	Alaska, Idaho, Oregon			6	4%	27	3%
	California, Hawaii	8	28%	15	10%	59	8%
	Mountain states	2	7%	6	4%	21	3%
	Central states			4	3%	18	2%
	Eastern states	2	7%	13	9%	55	7%
	International	1	3%	7	5%	21	3%
JOB SEARCH:	Newspaper ads	4	13%	24	18%	83	14%
	World wide web/internet	11	35%	40	30%	169	29%
	Employment agency	8	26%	15	11%	34	6%
	Professional organization	3	10%	21	16%	129	22%
	Faculty advisor or committee	5	16%	33	25%	171	29%

DEMOGRAPHIC SUMMARY - Master's Degree Recipients

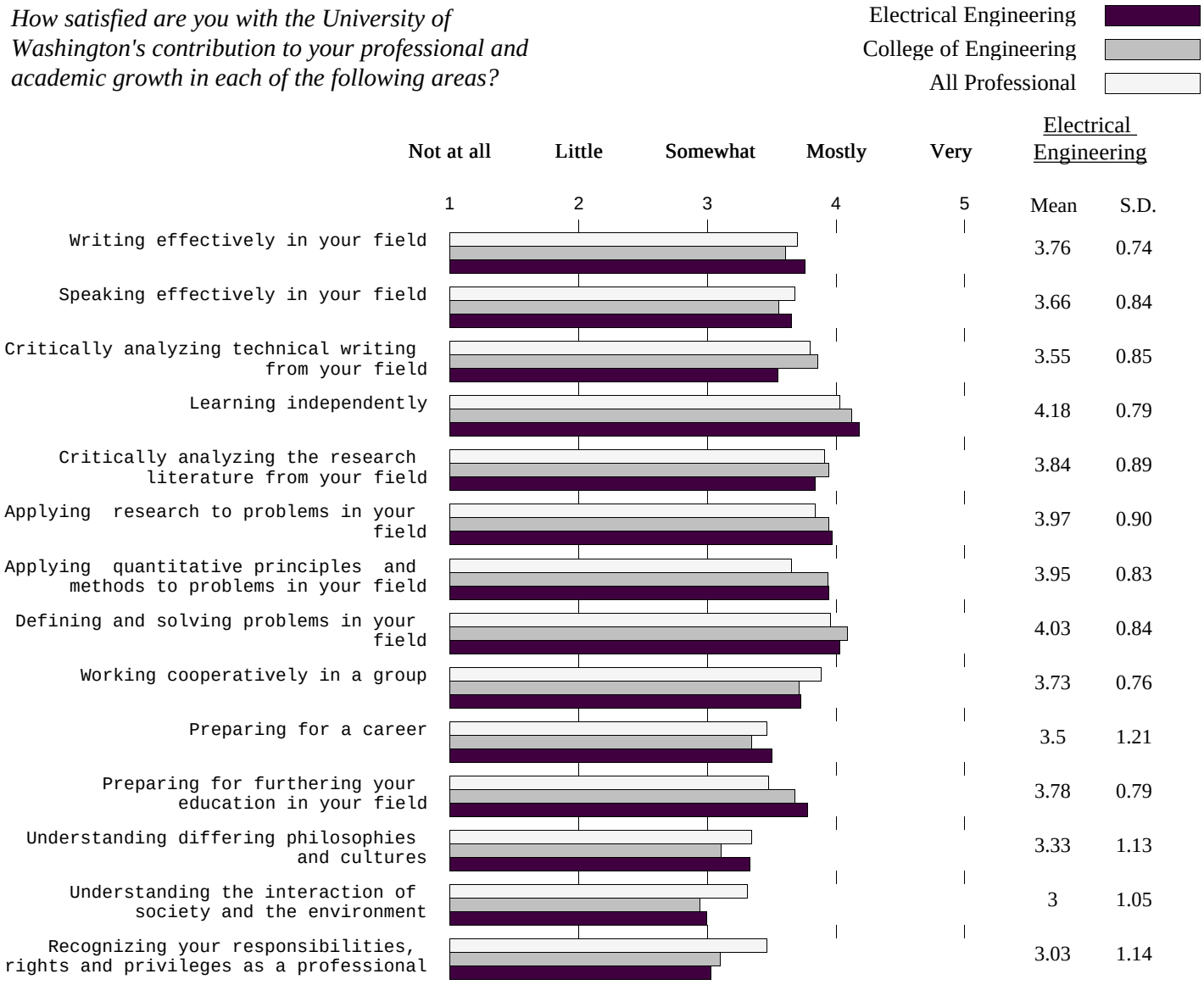
	Electrical Engineering		College of Engineering		All Professional	
Attending School						
LEVEL OF EDUCATIONAL PROGRAM: Undergraduate					1	1%
Master's			2	6%	11	9%
Doctoral	8	100%	33	92%	106	84%
Professional					5	4%
Vocational			1	3%	2	2%
Other					1	1%
ARE YOU ALSO EMPLOYED? Yes, by the school	3	38%	16	46%	40	36%
Yes, other part-time					7	6%
Yes, other full-time	2	25%	11	31%	25	23%
No	3	38%	8	23%	39	35%
Unemployed						
LOOKING FOR WORK? Yes, career field only			4	50%	19	35%
Yes, any field					3	6%
Yes, may be temporary	1	100%	1	12%	5	9%
No, traveling, etc.			2	25%	14	26%
No, deciding what to do					3	6%
No, not at present			1	12%	10	19%

TYPE OF EMPLOYER - Master's Degree Recipients

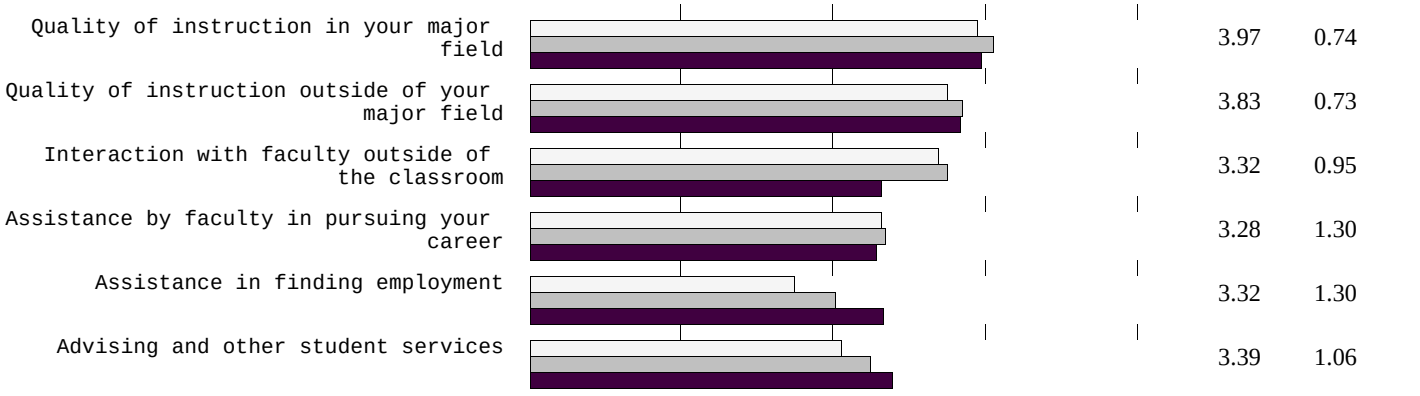
Business (for profit)	13	34%	74	39%	235	26%
Business (not for profit)					38	4%
Education (K-12)					96	11%
Education (post-secondary)						
Univ/college tenure-track faculty	1	3%	7	4%	28	3%
Univ/college non-tenure-track faculty	1	3%	4	2%	24	3%
Univ/college research or administrative	1	3%	5	3%	38	4%
Postdoctoral appointment			1	1%	10	1%
Government agency			24	13%	126	14%
Industry	19	50%	55	29%	64	7%
Law firm					27	3%
Medical faculty					72	8%
Military	3	8%	4	2%	10	1%
Private practice					21	2%
Self-employed			5	3%	29	3%
Social service agency					36	4%
Other			9	5%	46	5%

STUDENT OUTCOMES - Master's Degree Recipients

How satisfied are you with the University of Washington's contribution to your professional and academic growth in each of the following areas?



In general, how satisfied are you with your UW education for this degree with regard to each of the following?



DEMOGRAPHIC SUMMARY - Doctoral Degree Recipients

		Electrical Engineering		College of Engineering		All Professional	
Working							
JOB IS:	Full-time, career field, permanent	7	70%	20	69%	200	61%
	Full-time, career field, will change	2	20%	8	28%	95	29%
	Full-time, outside career field	1	10%	1	3%	5	2%
	Full-time, temporary					15	5%
	Part-time					14	4%
WORK IS:	Definitely beneath my level			2	7%	11	3%
	Somewhat beneath my level	4	40%	8	28%	29	9%
	At an appropriate level	6	60%	19	66%	290	87%
	At too advanced a level					4	1%
ATTENDING SCHOOL?	Yes, post-graduate in my degree					17	5%
	Yes, career related, new area			1	4%	16	5%
	Yes, not career related	1	10%	1	4%	12	4%
	No	9	90%	26	93%	286	86%
MONTHLY INCOME:	Under $500					2	1%
	$500 - 999					2	1%
	1000- 1499					8	2%
	1500- 1999					13	4%
	2000- 2499					54	16%
	2500- 2999			2	7%	54	16%
	3000- 3499	1	10%	1	3%	44	13%
	3500- 3999			2	7%	15	5%
	4000- 4500			2	7%	32	10%
	Over $4500	9	90%	22	76%	104	32%
JOB LOCATION:	King, Pierce, Snohomish	2	20%	8	28%	142	45%
	Other Washington counties	2	20%	5	17%	46	15%
	Alaska, Idaho, Oregon					15	5%
	California, Hawaii	4	40%	6	21%	37	12%
	Mountain states	1	10%	2	7%	11	3%
	Central states			1	3%	22	7%
	Eastern states	1	10%	7	24%	42	13%
	International					2	1%
JOB SEARCH:	Newspaper ads					13	5%
	World wide web/internet	6	75%	11	44%	43	16%
	Employment agency			1	4%	5	2%
	Professional organization	1	12%	3	12%	88	33%
	Faculty advisor or committee	1	12%	10	40%	117	44%

DEMOGRAPHIC SUMMARY - Doctoral Degree Recipients

	Electrical Engineering		College of Engineering		All Professional	
Attending School						
LEVEL OF EDUCATIONAL PROGRAM: Undergraduate					2	5%
Master's					3	8%
Doctoral					19	49%
Professional			1	100%	14	36%
Vocational						
Other					1	3%
ARE YOU ALSO EMPLOYED? Yes, by the school					11	37%
Yes, other part-time					4	13%
Yes, other full-time			1	100%	3	10%
No					12	40%
Unemployed						
LOOKING FOR WORK? Yes, career field only					8	53%
Yes, any field					1	7%
Yes, may be temporary						
No, traveling, etc.					3	20%
No, deciding what to do						
No, not at present			1	100%	3	20%

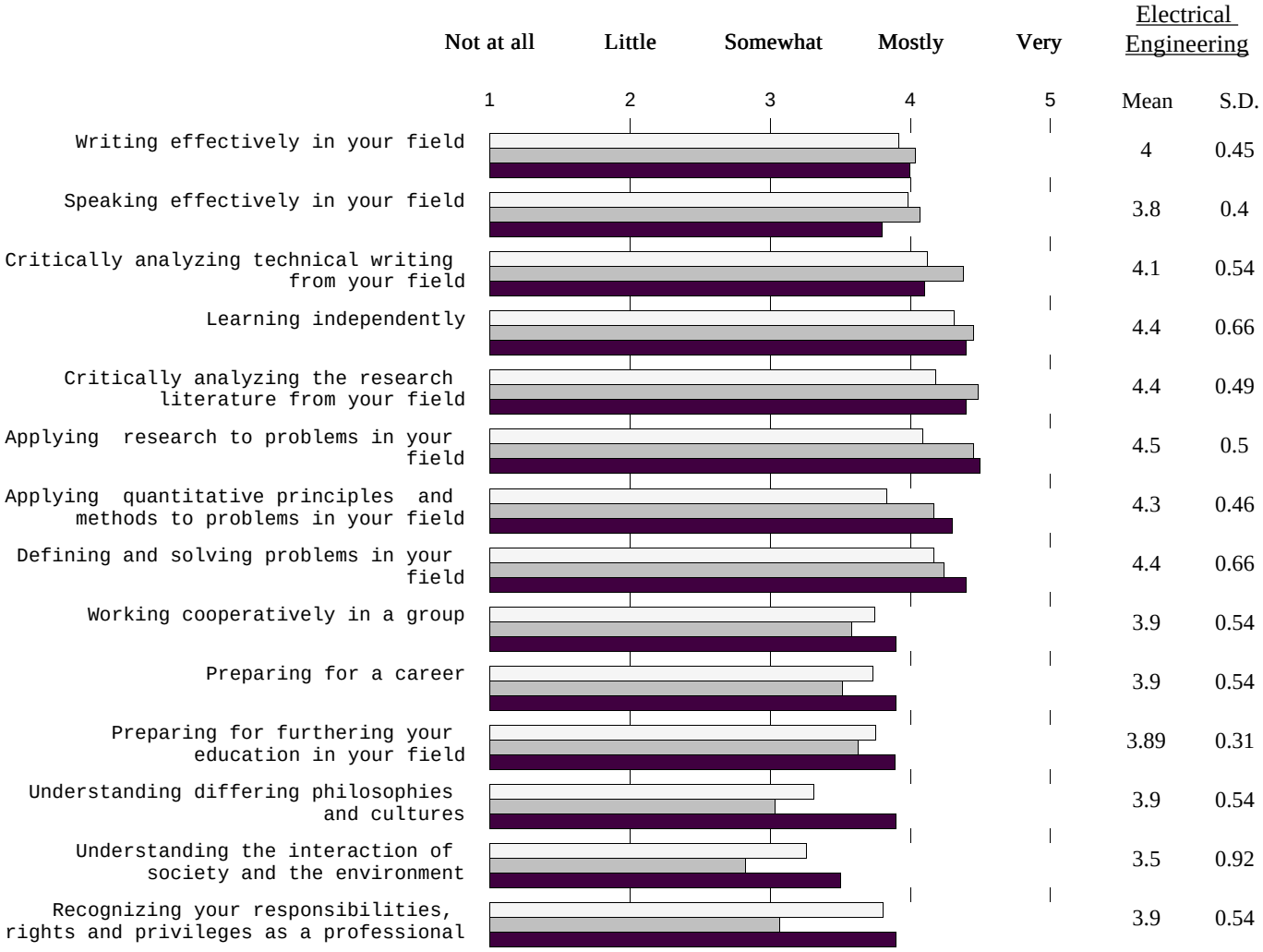
TYPE OF EMPLOYER - Doctoral Degree Recipients

Business (for profit)	4	40%	9	33%	29	9%
Business (not for profit)					4	1%
Education (K-12)					7	2%
Education (post-secondary)						
Univ/college tenure-track faculty			1	4%	18	5%
Univ/college non-tenure-track faculty	1	10%	1	4%	13	4%
Univ/college research or administrative					11	3%
Postdoctoral appointment			3	11%	28	8%
Government agency			2	7%	43	13%
Industry	5	50%	9	33%	16	5%
Law firm					43	13%
Medical faculty					95	28%
Military					7	2%
Private practice					10	3%
Self-employed			2	7%	4	1%
Social service agency					1	1%
Other					7	2%

STUDENT OUTCOMES - Doctoral Degree Recipients

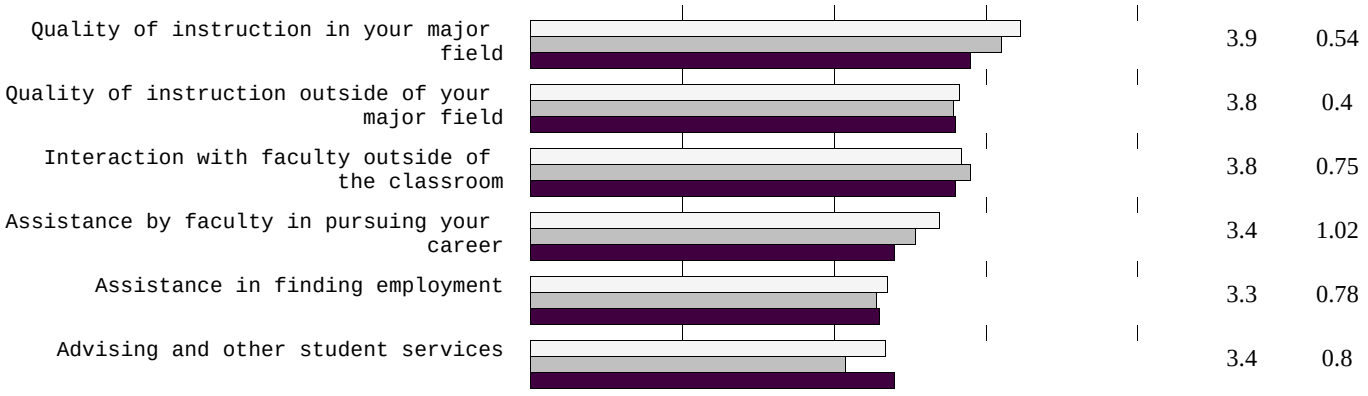
How satisfied are you with the University of Washington's contribution to your professional and academic growth in each of the following areas?

Electrical Engineering
College of Engineering
All Professional



	Electrical Engineering Mean	S.D.
Writing effectively in your field	4	0.45
Speaking effectively in your field	3.8	0.4
Critically analyzing technical writing from your field	4.1	0.54
Learning independently	4.4	0.66
Critically analyzing the research literature from your field	4.4	0.49
Applying research to problems in your field	4.5	0.5
Applying quantitative principles and methods to problems in your field	4.3	0.46
Defining and solving problems in your field	4.4	0.66
Working cooperatively in a group	3.9	0.54
Preparing for a career	3.9	0.54
Preparing for furthering your education in your field	3.89	0.31
Understanding differing philosophies and cultures	3.9	0.54
Understanding the interaction of society and the environment	3.5	0.92
Recognizing your responsibilities, rights and privileges as a professional	3.9	0.54

In general, how satisfied are you with your UW education for this degree with regard to each of the following?



	Electrical Engineering Mean	S.D.
Quality of instruction in your major field	3.9	0.54
Quality of instruction outside of your major field	3.8	0.4
Interaction with faculty outside of the classroom	3.8	0.75
Assistance by faculty in pursuing your career	3.4	1.02
Assistance in finding employment	3.3	0.78
Advising and other student services	3.4	0.8

CURRENT ACTIVITY ROSTER

Working		Job Title	Employer
BACHELOR'S	Permanent in career:	ENGINEER	
		SALES ENGR	INTEL
		DESIGN ENGINEER	CASNE ENGINEERING
		reliability engineer	lattice semi
		engineer	Dept. of State
		product engineer	intel corp
		SOFTWARE ENGINEER	AT&T WIRLESS
		SW ENGR	ALSROM ESCA
		Engineer I	Raytheon
		electrical designer	gray & osborne
		DESIGN ENGR	LONGVIEW FIBRE CO
		technical sale engr	intel corp
		hardware engineer	intel corp.
		HARDWARE SYSTEMS ENGR	SIEMENS
		SOFTWARE DEV ENGR	AIRSHOW/PACIFIC SYSTEM
		electrical engineer	kimberly clark
		RF ENGR	MOTOROLA
		ENGINEER	EXXON MOBIL
		HARDWARE DESIGN	INTEL CORP
		RF ENGR	MOTOROLA
		ENGR	
		HARDWARE ENGINEER	INTEL
		DESIGN ENGINEER	INTEL
		reliability engineer	cascade engr services
		ELECTRICAL ENGINEER	TEKTRONICS
		ENGR	INTEL
		consultant	trilogy software
	Career, change likely:	DESIGN ENGR	RF ENGINEERING
		HARDWARE ENGINEER	OPTOMETRIX
		product support engr	intel
		SOFTWARE ENGR	NATIONAL SEMICONDUCTOR
		ENGR	RATHEON
		ELECTRICAL ENGINEER	POWER SYSTEMS ENGINEERING
		technical marketing	intel
		SOFTWARE ENGR	IBM
		TRAFFIC ENGR	MLI WORLDCOM
		ELECTRONIC ENGR	OPPENHEIMER CAMERA
		Software Systems Engineer	Data I/O Corporation
		QUALITY RELIABILITY ENGR	INTEL
	Not career, full-time:	missile systems tech	U.S. army
	Not career, temporary:	SOFTWARE TESTER	EXCELL DATA
MASTER'S	Permanent in career:	FACULTY	NORT SEATTLE COMM COLLEGE
		MEMBER OF TECHNICAL STAFF	HEWLETT-PACKARD
		ELECTRICAL ENGINEER	BOEING
		Sr. Software Engineer	Tegic Communications
		SOFTWARE ENGINEER	HEWLETT PACKARD
		SOFTWARE ENGINEER	STAMPS.COM, INC
		Pilot	USAF
		SOFTWARE ENGINEER	ALSTOM ESCA CORP
		Software Engineer	Amphus Inc.
		LIEUTENANT	US COAST GUARD
		SOFTWARE ENGINEER	SIEMENS

Working		Job Title	Employer
		OFFICER	US AIR FORCE
		CAD ENGINEER	INTEL
		HARDWARE ENGINEER	EFI
		DESIGN ENGINEER	ATMEL CORP
		SENIOR SOFTWARE ENGINEER	MEDTRONIC
		software tester	active voice
		SOFTWARE ENGINEER	
		technical staff	equator technologies
		PRINC ENG	BOEING
		DSP MANAGER	ATL ULTRASOUND
		DSP ENGINEER	MOTOROLA
		COMMUNICATIONS ENGINEER	BOEING
		PRODUCT ENGINEER	ALTERA CORP
	Career, change likely:	MEMORY DEVELOP ENGINEER	VIRAGE LOGIC, CORP
		avionics engineer	boeing
		network engineer	metawave communications
		ENGINEER	RAYTHEON
		software engineer	avanti corporation

In School	Program Level	Program	Field of study	Institution
BACHELOR'S	Masters/Doctoral	UW	EE	EE
		MASTERS	EE	UW
		MS	ELEC ENGINEERING	UW
		Masters of Engineering	Electrical Engineering	Cornell University
		PHD	ELECTRICAL ENGINEERING	U BERKELEY
	Undergraduate	BS	COMPUTER SYSTEM	CITY UNIV
MASTER'S	Masters/Doctoral	electrical engr		UW
		PhD, elect. engr		Univ. of Washington
		ELECTRICAL ENGINEERING		UW
		PHD ELECTRICAL ENG		UW
		PHD		CORNELL
		ELECTRICAL ENGINEERING		UW

Unemployed	Type of work seeking
MASTER'S	ELECTRICAL ENGINEERING