

## UW Alumni Survey Results 2015-2016 UNDERGRADUATE Degree Recipients

	Mechanical Engineering		College Of Engineering		All Professional		UW Seattle	
<b>Graduates Surveyed</b>								
	N	%	N	%	N	%	N	%
Total	138	100%	754	100%	2719	100%	7526	100%
Women	26	19%	195	26%	1375	51%	4188	56%
Men	112	81%	559	74%	1344	49%	3338	44%
African American	0	0%	9	1%	75	3%	260	3%
American Indian	0	0%	9	1%	32	1%	88	1%
Asian American	35	25%	196	26%	768	28%	2047	27%
Caucasian	83	60%	361	48%	1309	48%	3355	45%
Hawaiian/Pacific Islander	0	0%	4	1%	21	1%	89	1%
Hispanic/Latino	5	4%	33	4%	187	7%	514	7%
Other/Not Indicated	15	11%	142	19%	327	12%	1173	16%
International	13	9%	132	18%	289	11%	1060	14%
<b>Survey Response Rates</b>								
	N	%	N	%	N	%	N	%
Total	39	28%	257	34%	900	33%	2215	29%
Women	12	31%	78	30%	482	54%	1311	59%
Men	27	69%	179	70%	418	46%	904	41%
African American	0	0%	1	0%	13	1%	63	3%
American Indian	0	0%	2	1%	6	1%	17	1%
Asian American	12	31%	74	29%	261	29%	632	29%
Caucasian	26	67%	136	53%	480	53%	1115	50%
Hawaiian/Pacific Islander	0	0%	2	1%	6	1%	23	1%
Hispanic/Latino	1	3%	9	4%	58	6%	150	7%
Other/Not Indicated	0	0%	33	13%	76	8%	215	10%
International	0	0%	32	12%	65	7%	184	8%
<b>Current Status</b>								
	N	%	N	%	N	%	N	%
Employed for pay full time	30	77%	175	68%	608	68%	1280	58%
Employed for pay part time	2	5%	10	4%	53	6%	211	10%
Participating in a volunteer or service program	0	0%	0	0%	19	2%	62	3%
Serving in the U.S. military	0	0%	6	2%	11	1%	14	1%
Enrolled in a program of continuing education	3	8%	32	12%	98	11%	303	14%
Planning to continue education	0	0%	3	1%	16	2%	89	4%
Seeking employment	3	8%	20	8%	65	7%	161	7%
Not seeking employment or continuing education	0	0%	1	0%	5	1%	26	1%
Other	1	3%	10	4%	25	3%	69	3%

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**Employed Full Time or Part time****Type of employment**

	N	%	N	%	N	%	N	%
Employee working for a company or organization	29	94%	167	95%	592	93%	1287	90%
Entrepreneur/self-employed	0	0%	1	1%	6	1%	20	1%
Temporary/contract work assignment	1	3%	4	2%	29	5%	89	6%
Freelance	1	3%	1	1%	2	0%	5	0%
Postgraduate internship or fellowship	0	0%	1	1%	6	1%	21	1%
Other	0	0%	1	1%	5	1%	15	1%

**Career related**

	N	%	N	%	N	%	N	%
Yes	26	84%	166	95%	588	93%	1190	83%
No	5	16%	9	5%	47	7%	240	17%

**Job location**

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	21	68%	124	71%	475	75%	1083	76%
Other Washington	3	10%	15	9%	31	5%	69	5%
Alaska, Idaho, Oregon	0	0%	2	1%	12	2%	22	2%
California, Hawaii	3	10%	11	6%	43	7%	87	6%
Mountain states	1	3%	5	3%	11	2%	18	1%
Central states	1	3%	3	2%	16	3%	29	2%
Eastern states	1	3%	8	5%	21	3%	48	3%
International	1	3%	7	4%	23	4%	70	5%

**Type of employer**

	N	%	N	%	N	%	N	%
Private	28	93%	142	85%	429	70%	899	66%
Non-profit/NGO	0	0%	0	0%	53	9%	157	11%
Government	2	7%	23	14%	100	16%	243	18%
Other	0	0%	3	2%	30	5%	67	5%

**Search time (weeks)**

	N							
		21	131	444	900			
Mean		10.3	9.7	8.3	8.3			
SD		10	10	9	8			
Range		0 40	0 52	0 52	0 52			

**Salary**

	N							
		26	147	495	1006			
Mean		61,458	68,622	58,603	52,304			
SD		11,608	18,593	19,866	23,578			
Range		34,000 85,000	22,000 135,000	12,000 135,000	10,000 180,000			

**First year bonus**

	N							
		5	49	158	262			
Mean		3,192	11,920	10,213	11,602			
SD		3,107	22,185	16,100	18,459			
Range		500 7,500	500 120,000	500 120,000	100 125,000			

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**Participating in a Volunteer or Service Program****Program location**

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	0	0%	0	0%	10	59%	25	42%
Other Washington	0	0%	0	0%	0	0%	2	3%
Alaska, Idaho, Oregon	0	0%	0	0%	0	0%	1	2%
California, Hawaii	0	0%	0	0%	1	6%	2	3%
Mountain states	0	0%	0	0%	1	6%	2	3%
Central states	0	0%	0	0%	0	0%	1	2%
Eastern states	0	0%	0	0%	0	0%	3	5%
International	0	0%	0	0%	5	29%	23	39%

**Serving in the US Military****Service branch**

	N	%	N	%	N	%	N	%
Air Force	0	0%	2	33%	2	18%	2	14%
Army	0	0%	1	17%	2	18%	4	29%
Coast Guard	0	0%	0	0%	0	0%	0	0%
Marine Corps	0	0%	0	0%	1	9%	1	7%
Navy	0	0%	3	50%	6	55%	7	50%

**Status**

	N	%	N	%	N	%	N	%
Active duty	0	0%	6	100%	11	100%	12	86%
Reserve	0	0%	0	0%	0	0%	1	7%
National Guard	0	0%	0	0%	0	0%	1	7%

**Enrolled in Educational Program****Degree program**

	N	%	N	%	N	%	N	%
Certificate	0	0%	1	3%	2	2%	8	3%
Associate (AA/AS)	0	0%	0	0%	0	0%	3	1%
Bachelor (BA/BS)	0	0%	0	0%	4	4%	10	3%
Masters (MA/MS) – terminal degree	2	67%	21	68%	62	65%	149	51%
Masters (MA/MS) – leading to doctorate	0	0%	5	16%	8	8%	21	7%
Doctorate (PhD/EdD)	1	33%	4	13%	13	14%	45	15%
Professional (JD, MD, DDS, PharmD)	0	0%	0	0%	6	6%	47	16%
Other	0	0%	0	0%	0	0%	0	0%

**School location**

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	2	67%	20	65%	53	56%	125	43%
Other Washington	0	0%	0	0%	7	7%	21	7%
Alaska, Idaho, Oregon	0	0%	0	0%	1	1%	6	2%
California, Hawaii	0	0%	2	6%	7	7%	28	10%
Mountain states	0	0%	0	0%	1	1%	10	3%
Central states	1	33%	1	3%	2	2%	13	4%
Eastern states	0	0%	5	16%	18	19%	67	23%
International	0	0%	3	10%	5	5%	19	7%

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**All Respondents****Authorized to permanently work in the U.S.**

	N	%	N	%	N	%	N	%
Yes	35	97%	209	89%	783	94%	1913	92%
No	1	3%	25	11%	54	6%	156	8%

**Amount UW academic program ADVANCED LEARNING**

1=Not at all; 2=Somewhat; 3=Moderately; 4=Very much

	N	Mean	N	Mean	N	Mean	N	Mean
Acquiring deep knowledge in at least one field of study	32	3.2	219	3.4	782	3.4	1941	3.3
Writing effectively	32	2.4	218	2.8	777	3.0	1932	3.0
Speaking effectively about ideas, projects, and plans	32	2.6	218	3.0	780	3.2	1936	3.1
Thinking critically and analytically, defining and solving problems	32	3.3	217	3.5	778	3.4	1934	3.4
Creating something new (for example, art, a performance, an object, ideas, or processes)	32	2.7	218	2.9	779	2.8	1936	2.7
Gathering information, conducting research	32	2.9	218	3.3	778	3.3	1933	3.3
Quantitative reasoning	32	3.3	218	3.4	773	3.2	1930	3.1
Understanding and valuing diverse people and cultures	32	2.2	218	2.7	774	3.0	1924	3.1
Working and learning independently	32	3.1	218	3.4	776	3.4	1930	3.4
Working and learning in a team	32	3.1	217	3.4	774	3.5	1926	3.2
Taking on leadership roles inside or outside of the classroom	32	2.6	216	2.8	775	3.0	1927	2.8
Understanding ethical practice(s) in at least one field	32	2.8	216	3.0	774	3.2	1926	3.0
Using self-reflection and self-assessment to guide next directions	32	2.3	217	2.7	774	2.9	1924	2.9
Using specialized instruments, computer programs, or materials relevant to your field(s) of study	32	3.3	217	3.4	773	3.1	1924	3.0
Developing skills and attitudes that foster lifelong learning	32	2.7	218	3.1	772	3.2	1925	3.2
Developing career interests and habits for success in the workplace	32	2.6	217	3.0	772	3.1	1920	3.0
Understanding more about who you are	32	2.8	217	2.9	770	3.1	1921	3.1
Finding a direction you'd like to pursue	32	2.6	217	3.0	771	3.1	1921	3.1
Understanding and practicing civic engagement, social responsibility	32	2.1	217	2.5	772	2.8	1923	2.8

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<b>IMPORTANCE to current work and life</b>	N	Mean	N	Mean	N	Mean	N	Mean
Acquiring deep knowledge in at least one field of study	29	3.1	196	3.4	706	3.4	1784	3.4
Writing effectively	29	3.0	194	3.3	702	3.4	1776	3.3
Speaking effectively about ideas, projects, and plans	29	3.6	196	3.6	703	3.7	1777	3.6
Thinking critically and analytically, defining and solving problems	29	3.8	196	3.8	703	3.7	1773	3.7
Creating something new (for example, art, a performance, an object, ideas, or processes)	29	3.2	196	3.1	702	3.0	1771	3.0
Gathering information, conducting research	29	2.9	196	3.3	701	3.2	1766	3.2
Quantitative reasoning	29	3.3	194	3.5	697	3.3	1767	3.2
Understanding and valuing diverse people and cultures	29	2.9	196	2.9	702	3.2	1768	3.3
Working and learning independently	29	3.3	196	3.5	701	3.6	1769	3.6
Working and learning in a team	29	3.7	196	3.6	701	3.6	1765	3.5
Taking on leadership roles inside or outside of the classroom	29	3.2	196	3.2	703	3.3	1768	3.2
Understanding ethical practice(s) in at least one field	29	3.1	196	3.2	700	3.3	1763	3.2
Using self-reflection and self-assessment to guide next directions	29	2.9	196	3.2	701	3.4	1768	3.3
Using specialized instruments, computer programs, or materials relevant to your field(s) of study	29	3.5	195	3.4	701	3.4	1766	3.2
Developing skills and attitudes that foster lifelong learning	29	3.4	196	3.4	702	3.5	1765	3.4
Developing career interests and habits for success in the workplace	29	3.4	195	3.4	698	3.5	1759	3.5
Understanding more about who you are	29	2.9	195	3.0	699	3.3	1758	3.3
Finding a direction you'd like to pursue	29	3.1	195	3.3	697	3.5	1759	3.4
Understanding and practicing civic engagement, social responsibility	29	2.8	195	3.0	700	3.2	1764	3.2

1=Not at all; 2=Somewhat; 3=Moderately; 4=Very

**Number of completed faculty-mentored research projects**

	N	%	N	%	N	%	N	%
None	10	33%	71	37%	330	46%	826	46%
One	10	33%	57	29%	188	26%	513	28%
Two	6	20%	41	21%	108	15%	272	15%
Three or more	4	13%	25	13%	89	12%	201	11%

**Number of completed internships**

	N	%	N	%	N	%	N	%
None	7	23%	53	27%	211	29%	774	43%
One	12	40%	84	43%	247	34%	552	30%
Two	9	30%	42	21%	145	20%	284	16%
Three or more	2	7%	17	9%	114	16%	200	11%

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**Number of completed service-learning projects**

	N	%	N	%	N	%	N	%
None	27	90%	159	82%	422	59%	1097	61%
One	3	10%	31	16%	177	25%	441	24%
Two	0	0%	3	2%	65	9%	167	9%
Three or more	0	0%	2	1%	52	7%	105	6%

**Importance to current employment**

(Participated in 1 or more projects/internships and currently employed)

1=Not at all; 2=Somewhat; 3=Moderately; 4=Very

	N	Mean	N	Mean	N	Mean	N	Mean
Faculty-sponsored research project(s)	18	2.6	86	2.8	273	2.8	649	2.9
Internship(s)	20	3.4	113	3.5	384	3.4	739	3.4
Service-learning project(s)	3	2.0	24	2.8	200	2.9	440	2.8

**Overall UW experience**

1=Poor; 2=Fair; 3=Good; 4=Excellent

	N	Mean	N	Mean	N	Mean	N	Mean
What you learned from co-curricular activities, such as study abroad, service learning, and participation in special UW programs, clubs, and organizations	29	2.9	191	2.7	697	2.9	1773	2.9
The help you received from academic advisers before you were formally admitted to your major	30	2.2	192	2.3	698	2.5	1780	2.5
The help you received from academic advisers in your academic department	30	2.3	194	2.9	704	3.0	1795	3.0
The help you received from your outside-class interactions with faculty/Tas	30	2.7	193	3.0	704	3.0	1792	2.9
Your overall learning experience at the UW	30	3.0	196	3.2	714	3.3	1807	3.2

1=Strongly Disagree; 2=Disagree; 3=Agree; 4=Strongly Agree

	N	Mean	N	Mean	N	Mean	N	Mean
Faculty and teaching assistants treated students respectfully - regardless of race, gender, ethnicity, sexuality, or country of origin.	29	3.2	194	3.6	709	3.5	1796	3.5
Students in my program treated each other respectfully - regardless of race, gender, ethnicity, sexuality, or country of origin.	29	3.2	194	3.5	709	3.5	1797	3.5
Classrooms, labs, and other campus spaces were accessible.	30	3.3	195	3.5	709	3.5	1797	3.5
If I had to make my college choice over again, I would choose to attend UW.	30	3.3	195	3.5	710	3.5	1801	3.5

1=Strongly Dissatisfied; 2= Dissatisfied; 3= Satisfied; 4= Strongly Satisfied

	N	Mean	N	Mean	N	Mean	N	Mean
How satisfied are you with your overall experience at UW?	27	3.2	160	3.4	533	3.4	1181	3.4

## Current activity roster

## Employed Full Time or Part time

Job title	Employing organization
Curriculum Developer and Instructor	BLAZE Education
Structural analysis engineer	The Boeing Company
Gymnastics coach	Metropolitan gymnastics HP Inc. Mom robotics
Mechanical Design Engineer	
Engineering Trainee	NASA
Associate Integration Engineer	
Research Scientist/Mechanical Engineer	University of Washington
Associate mechanical engineer	IMI Precision Engineering
Mechanical Engineer	Intuitive Surgical
Mechanical engineer	Phase Four
Embedded Software Engineer	PACCAR
Mechanical Engineer	
Mechanical Engineer	Electroimpact, Inc
Independent contractor	
Mechanical Engineer	WiBotic Inc.
Control Systems Engineer	Quality Controls Corporation
Mechanical Engineer	Metrix Engineers
Engineer	Boeing
Associate Mechanical Design Engineer	Tesla
Engineer	
Mechanical Engineer	Fujifilm Sonosite
Hardware Mechanical Engineer	HP Inc
Design engineer	Boeing
Manufacturing Engineer	Honeywell
Consultant	Hitachi consulting
Design Engineer	

## Enrolled in Educational Program

Program of study	Institution
Mechanical Engineering	University of Washington
Mechanical Engineering	UW Northwestern University