

## UW Alumni Survey Results 2014-2015 UNDERGRADUATE Degree Recipients

	Mechanical Engineering		College Of Engineering		All Professional		UW Seattle	
<b>Graduates Surveyed</b>								
	N	%	N	%	N	%	N	%
Total	119	100%	745	100%	2599	100%	7238	100%
Women	11	9%	167	22%	1219	47%	3947	55%
Men	108	91%	578	78%	1380	53%	3291	45%
African American	0	0%	11	1%	84	3%	232	3%
American Indian	4	3%	9	1%	36	1%	101	1%
Asian American	26	22%	186	25%	677	26%	1913	26%
Caucasian	70	59%	361	48%	1285	49%	3393	47%
Hawaiian/Pacific Islander	0	0%	6	1%	22	1%	60	1%
Hispanic/Latino	4	3%	37	5%	170	7%	458	6%
Other/Not Indicated	15	13%	135	18%	325	13%	1081	15%
International	14	12%	122	16%	271	10%	931	13%
<b>Survey Response Rates</b>								
	N	%	N	%	N	%	N	%
Total	28	24%	234	31%	800	31%	2184	30%
Women	3	11%	62	26%	392	49%	1277	58%
Men	25	89%	172	74%	408	51%	907	42%
African American	0	0%	1	0%	22	3%	58	3%
American Indian	0	0%	4	2%	9	1%	29	1%
Asian American	3	11%	62	26%	221	28%	623	29%
Caucasian	22	79%	126	54%	422	53%	1116	51%
Hawaiian/Pacific Islander	0	0%	2	1%	6	1%	17	1%
Hispanic/Latino	2	7%	15	6%	49	6%	131	6%
Other/Not Indicated	1	4%	24	10%	71	9%	210	10%
International	1	4%	22	9%	60	8%	169	8%
<b>Current Status</b>								
	N	%	N	%	N	%	N	%
Employed for pay full time	18	64%	165	71%	592	74%	1330	61%
Employed for pay part time	0	0%	4	2%	33	4%	183	8%
Participating in a volunteer or service program	0	0%	1	0%	8	1%	35	2%
Serving in the U.S. military	0	0%	2	1%	3	0%	12	1%
Enrolled in a program of continuing education	4	14%	36	15%	97	12%	336	15%
Planning to continue education	2	7%	4	2%	10	1%	76	3%
Seeking employment	4	14%	19	8%	41	5%	133	6%
Not seeking employment or continuing education	0	0%	1	0%	5	1%	18	1%
Other	0	0%	2	1%	11	1%	61	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	17	94%	150	94%	549	92%	1287	89%
Entrepreneur/self-employed	0	0%	0	0%	8	1%	28	2%
Temporary/contract work assignment	0	0%	7	4%	26	4%	80	6%
Freelance	0	0%	0	0%	3	1%	11	1%
Postgraduate internship or fellowship	1	6%	3	2%	11	2%	28	2%
Other	0	0%	0	0%	2	0%	14	1%

**Career related**

	N	%	N	%	N	%	N	%
Yes	18	100%	153	96%	534	89%	1173	81%
No	0	0%	7	4%	66	11%	276	19%

**Job location**

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	10	56%	100	63%	405	69%	1033	72%
Other Washington	3	17%	10	6%	28	5%	58	4%
Alaska, Idaho, Oregon	0	0%	4	3%	13	2%	30	2%
California, Hawaii	3	17%	15	9%	54	9%	86	6%
Mountain states	1	6%	5	3%	9	2%	23	2%
Central states	0	0%	6	4%	17	3%	32	2%
Eastern states	0	0%	8	5%	29	5%	64	4%
International	1	6%	10	6%	36	6%	103	7%

**Type of employer**

	N	%	N	%	N	%	N	%
Private	18	100%	124	85%	389	72%	853	66%
Non-profit/NGO	0	0%	1	1%	46	8%	146	11%
Government	0	0%	14	10%	68	13%	196	15%
Other	0	0%	7	5%	39	7%	107	8%

**Search time (weeks)**

	N		N		N		N	
	16		129		473		1065	
Mean	7.7		11.8		8.6		7.8	
SD	10		10		9		9	
Range	0 36		0 54		0 54		0 54	

**Salary**

	N		N		N		N	
	16		110		388		823	
Mean	67,075		67,756		58,575		50,807	
SD	11,995		15,295		20,333		21,906	
Range	51,000 100,000		38,100 108,000		15,000 140,000		12,000 140,000	

**First year bonus**

	N		N		N		N	
	4		42		122		197	
Mean	11,250		8,962		9,011		10,056	
SD	9,465		7,961		9,166		12,430	
Range	5,000 25,000		1,000 28,000		100 50,000		100 100,000	

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

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	0	0%	1	100%	3	38%	21	62%
Other Washington	0	0%	0	0%	2	25%	2	6%
Alaska, Idaho, Oregon	0	0%	0	0%	0	0%	1	3%
California, Hawaii	0	0%	0	0%	0	0%	0	0%
Mountain states	0	0%	0	0%	0	0%	1	3%
Central states	0	0%	0	0%	0	0%	1	3%
Eastern states	0	0%	0	0%	2	25%	4	12%
International	0	0%	0	0%	1	13%	4	12%

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

	N	%	N	%	N	%	N	%
Air Force	0	0%	1	50%	1	33%	2	17%
Army	0	0%	0	0%	0	0%	5	42%
Coast Guard	0	0%	0	0%	0	0%	0	0%
Marine Corps	0	0%	0	0%	0	0%	0	0%
Navy	0	0%	1	50%	2	67%	5	42%

**Status**

	N	%	N	%	N	%	N	%
Active duty	0	0%	2	100%	3	100%	8	67%
Reserve	0	0%	0	0%	0	0%	4	33%
National Guard	0	0%	0	0%	0	0%	0	0%

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

	N	%	N	%	N	%	N	%
Certificate	0	0%	0	0%	1	1%	9	3%
Associate (AA/AS)	0	0%	0	0%	1	1%	5	2%
Bachelor (BA/BS)	0	0%	0	0%	6	6%	13	4%
Masters (MA/MS) – terminal degree	3	75%	24	71%	59	63%	139	44%
Masters (MA/MS) – leading to doctorate	0	0%	2	6%	7	8%	25	8%
Doctorate (PhD/EdD)	1	25%	6	18%	10	11%	37	12%
Professional (JD, MD, DDS, PharmD)	0	0%	2	6%	6	6%	74	23%
Other	0	0%	0	0%	0	0%	0	0%

**School location**

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	4	100%	20	59%	60	64%	147	47%
Other Washington	0	0%	0	0%	0	0%	8	3%
Alaska, Idaho, Oregon	0	0%	0	0%	2	2%	8	3%
California, Hawaii	0	0%	5	15%	9	10%	34	11%
Mountain states	0	0%	0	0%	2	2%	16	5%
Central states	0	0%	1	3%	1	1%	17	5%
Eastern states	0	0%	7	21%	15	16%	57	18%
International	0	0%	1	3%	5	5%	24	8%

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

	N	%	N	%	N	%	N	%
Yes	26	96%	199	92%	695	93%	1897	93%
No	1	4%	17	8%	50	7%	141	7%

**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	23	3.3	188	3.5	651	3.4	1811	3.4
Writing effectively	22	2.3	187	2.9	652	3.0	1810	3.1
Speaking effectively about ideas, projects, and plans	23	2.7	188	3.1	650	3.2	1802	3.1
Thinking critically and analytically, defining and solving problems	23	3.0	187	3.4	650	3.4	1805	3.4
Creating something new (for example, art, a performance, an object, ideas, or processes)	23	2.9	187	3.0	647	2.9	1802	2.9
Gathering information, conducting research	23	2.9	187	3.3	649	3.3	1803	3.3
Quantitative reasoning	23	3.0	187	3.4	646	3.2	1796	3.1
Understanding and valuing diverse people and cultures	23	2.4	187	2.9	644	3.1	1797	3.2
Working and learning independently	23	3.2	187	3.4	643	3.3	1798	3.4
Working and learning in a team	23	2.8	187	3.4	645	3.4	1792	3.2
Taking on leadership roles inside or outside of the classroom	23	2.4	187	2.9	645	3.1	1797	2.9
Understanding ethical practice(s) in at least one field	23	2.9	187	3.0	645	3.2	1790	3.1
Using self-reflection and self-assessment to guide next directions	23	2.3	187	2.8	644	2.9	1788	3.0
Using specialized instruments, computer programs, or materials relevant to your field(s) of study	23	3.1	186	3.3	645	3.2	1792	3.0
Developing skills and attitudes that foster lifelong learning	23	2.7	186	3.2	646	3.2	1793	3.2
Developing career interests and habits for success in the workplace	23	2.7	186	3.1	644	3.2	1789	3.1
Understanding more about who you are	23	2.6	185	3.0	643	3.1	1791	3.1
Finding a direction you'd like to pursue	23	2.8	185	3.1	644	3.1	1794	3.1
Understanding and practicing civic engagement, social responsibility	23	2.2	186	2.6	645	2.9	1792	2.9

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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	18	3.3	172	3.5	593	3.5	1652	3.3
Writing effectively	18	3.1	173	3.3	593	3.3	1649	3.3
Speaking effectively about ideas, projects, and plans	18	3.6	170	3.6	588	3.6	1645	3.6
Thinking critically and analytically, defining and solving problems	18	3.8	169	3.7	585	3.7	1641	3.6
Creating something new (for example, art, a performance, an object, ideas, or processes)	18	3.3	168	3.2	587	3.1	1646	3.0
Gathering information, conducting research	17	3.2	167	3.4	584	3.3	1640	3.2
Quantitative reasoning	18	3.6	168	3.4	585	3.3	1636	3.2
Understanding and valuing diverse people and cultures	18	2.7	168	3.0	585	3.2	1642	3.3
Working and learning independently	18	3.9	168	3.5	584	3.5	1641	3.5
Working and learning in a team	18	3.6	168	3.6	584	3.6	1638	3.5
Taking on leadership roles inside or outside of the classroom	17	2.9	166	3.2	582	3.3	1636	3.2
Understanding ethical practice(s) in at least one field	18	3.1	167	3.1	583	3.2	1638	3.2
Using self-reflection and self-assessment to guide next directions	17	2.9	167	3.2	584	3.3	1635	3.3
Using specialized instruments, computer programs, or materials relevant to your field(s) of study	18	3.6	168	3.5	585	3.4	1637	3.2
Developing skills and attitudes that foster lifelong learning	18	3.2	168	3.4	585	3.4	1638	3.4
Developing career interests and habits for success in the workplace	17	3.4	167	3.6	585	3.5	1638	3.5
Understanding more about who you are	18	3.1	169	3.1	586	3.2	1639	3.2
Finding a direction you'd like to pursue	17	3.3	167	3.3	584	3.4	1633	3.4
Understanding and practicing civic engagement, social responsibility	18	2.7	168	3.0	585	3.1	1637	3.1

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

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

	N	%	N	%	N	%	N	%
None	2	10%	39	21%	254	40%	780	44%
One	6	30%	50	27%	181	28%	506	29%
Two	8	40%	65	35%	113	18%	288	16%
Three or more	4	20%	34	18%	89	14%	180	10%

**Number of completed internships**

	N	%	N	%	N	%	N	%
None	7	35%	58	31%	195	31%	792	45%
One	9	45%	79	42%	196	31%	499	28%
Two	4	20%	36	19%	157	25%	301	17%
Three or more	0	0%	15	8%	90	14%	164	9%

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**Number of completed service-learning projects**

	N	%	N	%	N	%	N	%
None	16	89%	152	82%	372	59%	1084	62%
One	2	11%	24	13%	138	22%	390	22%
Two	0	0%	4	2%	60	9%	151	9%
Three or more	0	0%	5	3%	65	10%	122	7%

**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)	11	3.2	102	3.1	289	2.9	651	2.9
Internship(s)	1	3.0	21	2.6	194	2.8	437	2.8
Service-learning project(s)	11	3.4	101	3.4	355	3.5	696	3.4

**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	16	2.8	159	2.8	563	3.0	1563	3.0
The help you received from academic advisers before you were formally admitted to your major	13	2.2	101	2.4	384	2.5	1182	2.5
The help you received from academic advisers in your academic department	20	2.8	182	3.1	624	3.1	1722	3.0
The help you received from your outside-class interactions with faculty/TAs	20	2.9	181	3.1	619	3.0	1706	3.0
Your overall learning experience at the UW	20	3.1	184	3.4	630	3.4	1736	3.3

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.	19	3.4	183	3.6	622	3.6	1708	3.5
Students in my program treated each other respectfully, regardless of race, gender, ethnicity, sexuality, or country of origin.	19	3.4	182	3.6	621	3.5	1707	3.5
Classrooms, labs, and other campus spaces were accessible.	20	3.3	184	3.5	619	3.5	1704	3.5
If I had to make my college choice over again, I would choose to attend UW.	20	3.3	188	3.6	631	3.5	1725	3.5

## Current activity roster

## Employed Full Time or Part time

Job title	Employing organization
Mechanical Engineer	Boeing
Build Engineer	SpaceX
Engineer	
Mechanical engineer	Electroimpact
Project Engineer	ATS Automation Inc.
Propulsion Engineer	SpaceX
Hardware Design Mechanical Engineer	HP Inc.
Mechanical Engineer	Synapse Product Development
Product Review Engineer	Boeing
Mechanical Engineer	Electroimpact
Propulsion Engineer - Components	Space Exploration Technologies
Associate Energy Management Engineer	Puget Sound Energy
Process Engineer	W. L. Gore and Associates
Engineer	
Mechanical Engineer	Prefer not to disclose
Mechanical Engineer	Intel Corporation
Design engineer	Philips
Mechanical Engineer	Guardian Fall Protection

## Enrolled in Educational Program

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