

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

	Chemical Engineering		College Of Engineering		All Professional		UW Seattle	
<b>Graduates Surveyed</b>								
	N	%	N	%	N	%	N	%
Total	64	100%	745	100%	2599	100%	7238	100%
Women	21	33%	167	22%	1219	47%	3947	55%
Men	43	67%	578	78%	1380	53%	3291	45%
African American	0	0%	11	1%	84	3%	232	3%
American Indian	0	0%	9	1%	36	1%	101	1%
Asian American	16	25%	186	25%	677	26%	1913	26%
Caucasian	31	48%	361	48%	1285	49%	3393	47%
Hawaiian/Pacific Islander	0	0%	6	1%	22	1%	60	1%
Hispanic/Latino	4	6%	37	5%	170	7%	458	6%
Other/Not Indicated	13	20%	135	18%	325	13%	1081	15%
International	12	19%	122	16%	271	10%	931	13%
<b>Survey Response Rates</b>								
	N	%	N	%	N	%	N	%
Total	23	36%	234	31%	800	31%	2184	30%
Women	11	48%	62	26%	392	49%	1277	58%
Men	12	52%	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	7	30%	62	26%	221	28%	623	29%
Caucasian	12	52%	126	54%	422	53%	1116	51%
Hawaiian/Pacific Islander	0	0%	2	1%	6	1%	17	1%
Hispanic/Latino	3	13%	15	6%	49	6%	131	6%
Other/Not Indicated	1	4%	24	10%	71	9%	210	10%
International	2	9%	22	9%	60	8%	169	8%
<b>Current Status</b>								
	N	%	N	%	N	%	N	%
Employed for pay full time	18	78%	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	1	4%	2	1%	3	0%	12	1%
Enrolled in a program of continuing education	3	13%	36	15%	97	12%	336	15%
Planning to continue education	0	0%	4	2%	10	1%	76	3%
Seeking employment	1	4%	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	16	94%	150	94%	549	92%	1287	89%
Entrepreneur/self-employed	0	0%	0	0%	8	1%	28	2%
Temporary/contract work assignment	1	6%	7	4%	26	4%	80	6%
Freelance	0	0%	0	0%	3	1%	11	1%
Postgraduate internship or fellowship	0	0%	3	2%	11	2%	28	2%
Other	0	0%	0	0%	2	0%	14	1%

**Career related**

	N	%	N	%	N	%	N	%
Yes	16	94%	153	96%	534	89%	1173	81%
No	1	6%	7	4%	66	11%	276	19%

**Job location**

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	5	31%	100	63%	405	69%	1033	72%
Other Washington	1	6%	10	6%	28	5%	58	4%
Alaska, Idaho, Oregon	3	19%	4	3%	13	2%	30	2%
California, Hawaii	1	6%	15	9%	54	9%	86	6%
Mountain states	2	13%	5	3%	9	2%	23	2%
Central states	1	6%	6	4%	17	3%	32	2%
Eastern states	2	13%	8	5%	29	5%	64	4%
International	1	6%	10	6%	36	6%	103	7%

**Type of employer**

	N	%	N	%	N	%	N	%
Private	14	82%	124	85%	389	72%	853	66%
Non-profit/NGO	0	0%	1	1%	46	8%	146	11%
Government	3	18%	14	10%	68	13%	196	15%
Other	0	0%	7	5%	39	7%	107	8%

**Search time (weeks)**

	N		N		N		N	
	13		129		473		1065	
Mean	14.8		11.8		8.6		7.8	
SD	9		10		9		9	
Range	0 30		0 54		0 54		0 54	

**Salary**

	N		N		N		N	
	11		110		388		823	
Mean	68,756		67,756		58,575		50,807	
SD	18,251		15,295		20,333		21,906	
Range	45,000 100,000		38,100 108,000		15,000 140,000		12,000 140,000	

**First year bonus**

	N		N		N		N	
	3		42		122		197	
Mean	5,333		8,962		9,011		10,056	
SD	4,509		7,961		9,166		12,430	
Range	1,000 10,000		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	1	100%	1	50%	2	67%	5	42%

**Status**

	N	%	N	%	N	%	N	%
Active duty	1	100%	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	1	33%	24	71%	59	63%	139	44%
Masters (MA/MS) – leading to doctorate	0	0%	2	6%	7	8%	25	8%
Doctorate (PhD/EdD)	2	67%	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	0	0%	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	3	100%	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	21	91%	199	92%	695	93%	1897	93%
No	2	9%	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	19	3.5	188	3.5	651	3.4	1811	3.4
Writing effectively	19	3.0	187	2.9	652	3.0	1810	3.1
Speaking effectively about ideas, projects, and plans	19	3.1	188	3.1	650	3.2	1802	3.1
Thinking critically and analytically, defining and solving problems	19	3.7	187	3.4	650	3.4	1805	3.4
Creating something new (for example, art, a performance, an object, ideas, or processes)	19	2.7	187	3.0	647	2.9	1802	2.9
Gathering information, conducting research	19	3.3	187	3.3	649	3.3	1803	3.3
Quantitative reasoning	19	3.6	187	3.4	646	3.2	1796	3.1
Understanding and valuing diverse people and cultures	19	2.7	187	2.9	644	3.1	1797	3.2
Working and learning independently	19	3.4	187	3.4	643	3.3	1798	3.4
Working and learning in a team	19	3.5	187	3.4	645	3.4	1792	3.2
Taking on leadership roles inside or outside of the classroom	19	3.0	187	2.9	645	3.1	1797	2.9
Understanding ethical practice(s) in at least one field	19	3.1	187	3.0	645	3.2	1790	3.1
Using self-reflection and self-assessment to guide next directions	19	2.7	187	2.8	644	2.9	1788	3.0
Using specialized instruments, computer programs, or materials relevant to your field(s) of study	19	3.5	186	3.3	645	3.2	1792	3.0
Developing skills and attitudes that foster lifelong learning	19	3.3	186	3.2	646	3.2	1793	3.2
Developing career interests and habits for success in the workplace	19	3.1	186	3.1	644	3.2	1789	3.1
Understanding more about who you are	19	2.7	185	3.0	643	3.1	1791	3.1
Finding a direction you'd like to pursue	19	2.8	185	3.1	644	3.1	1794	3.1
Understanding and practicing civic engagement, social responsibility	19	2.5	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	17	3.3	172	3.5	593	3.5	1652	3.3
Writing effectively	17	3.3	173	3.3	593	3.3	1649	3.3
Speaking effectively about ideas, projects, and plans	17	3.5	170	3.6	588	3.6	1645	3.6
Thinking critically and analytically, defining and solving problems	17	3.7	169	3.7	585	3.7	1641	3.6
Creating something new (for example, art, a performance, an object, ideas, or processes)	17	2.8	168	3.2	587	3.1	1646	3.0
Gathering information, conducting research	17	3.5	167	3.4	584	3.3	1640	3.2
Quantitative reasoning	17	3.4	168	3.4	585	3.3	1636	3.2
Understanding and valuing diverse people and cultures	17	2.8	168	3.0	585	3.2	1642	3.3
Working and learning independently	17	3.2	168	3.5	584	3.5	1641	3.5
Working and learning in a team	17	3.5	168	3.6	584	3.6	1638	3.5
Taking on leadership roles inside or outside of the classroom	17	2.8	166	3.2	582	3.3	1636	3.2
Understanding ethical practice(s) in at least one field	16	3.1	167	3.1	583	3.2	1638	3.2
Using self-reflection and self-assessment to guide next directions	17	3.1	167	3.2	584	3.3	1635	3.3
Using specialized instruments, computer programs, or materials relevant to your field(s) of study	17	3.1	168	3.5	585	3.4	1637	3.2
Developing skills and attitudes that foster lifelong learning	17	3.4	168	3.4	585	3.4	1638	3.4
Developing career interests and habits for success in the workplace	17	3.5	167	3.6	585	3.5	1638	3.5
Understanding more about who you are	17	3.0	169	3.1	586	3.2	1639	3.2
Finding a direction you'd like to pursue	17	3.1	167	3.3	584	3.4	1633	3.4
Understanding and practicing civic engagement, social responsibility	17	2.9	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	4	20%	39	21%	254	40%	780	44%
One	6	30%	50	27%	181	28%	506	29%
Two	9	45%	65	35%	113	18%	288	16%
Three or more	1	5%	34	18%	89	14%	180	10%

**Number of completed internships**

	N	%	N	%	N	%	N	%
None	7	35%	58	31%	195	31%	792	45%
One	10	50%	79	42%	196	31%	499	28%
Two	0	0%	36	19%	157	25%	301	17%
Three or more	3	15%	15	8%	90	14%	164	9%

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**Number of completed service-learning projects**

	N	%	N	%	N	%	N	%
None	16	80%	152	82%	372	59%	1084	62%
One	3	15%	24	13%	138	22%	390	22%
Two	0	0%	4	2%	60	9%	151	9%
Three or more	1	5%	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	2.6	102	3.1	289	2.9	651	2.9
Internship(s)	2	3.5	21	2.6	194	2.8	437	2.8
Service-learning project(s)	9	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	2.9	159	2.8	563	3.0	1563	3.0
The help you received from academic advisers before you were formally admitted to your major	7	2.4	101	2.4	384	2.5	1182	2.5
The help you received from academic advisers in your academic department	18	3.3	182	3.1	624	3.1	1722	3.0
The help you received from your outside-class interactions with faculty/TAs	18	3.4	181	3.1	619	3.0	1706	3.0
Your overall learning experience at the UW	18	3.4	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	3.5	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.	18	3.2	182	3.6	621	3.5	1707	3.5
Classrooms, labs, and other campus spaces were accessible.	19	3.5	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	3.5	188	3.6	631	3.5	1725	3.5

### Current activity roster

#### Employed Full Time or Part time

Job title	Employing organization
Research Scientist/Engineer I	University of Washington, Department of Bioengineering
Chemical Engineer	Takata
Sales Engineer	Cascade Machinery and Electric
Engineering Supervisor	
Engineer	
Entry level engineer	Georgia-Pacific
Engineer	W. L. Gore
Project Engineer	
Research associate	AbSci
Project Engineer	Capstone Technology
Sales Engineer	Tecplot
Applications Engineer	Lean Environment Inc.
Process engineer	Phillips 66
Chemical Engineer	Department of the Army (Tobyhanna Army Depot)
Manufacturing Support Engineer	IM Flash Technologies
Chemical engineer	

#### Serving in the US military

Rank	Specialty
Ensign	Submariner

#### Enrolled in Educational Program

Program of study	Institution
Chemical Engineering PhD	Brown University
Chemical Engineering	Cornell
Chemical Engineering	University of Michigan