

UW Alumni Survey Results

2016-2017 DOCTORAL/PROFESSIONAL Degree Recipients

Mechanical Engineering	College Of Engineering	All Professional	UW Seattle
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Graduates Surveyed

	N	%	N	%	N	%	N	%
Total	20	100%	106	100%	1087	100%	1337	100%
Women	3	15%	24	23%	616	57%	745	56%
Men	17	85%	82	77%	471	43%	592	44%
African American	0	0%	1	1%	27	2%	28	2%
American Indian	0	0%	0	0%	14	1%	14	1%
Asian American	4	20%	12	11%	192	18%	215	16%
Caucasian	6	30%	40	38%	632	58%	785	59%
Hawaiian/Pacific Islander	0	0%	0	0%	6	1%	7	1%
Hispanic/Latino	0	0%	0	0%	48	4%	66	5%
Other/Not Indicated	10	50%	53	50%	168	15%	222	17%
International	10	50%	44	42%	107	10%	148	11%

Survey Response Rates

	N	%	N	%	N	%	N	%
Total	11	55%	39	37%	323	30%	426	32%
Women	3	27%	10	26%	185	57%	242	57%
Men	8	73%	29	74%	138	43%	184	43%
African American	0	0%	0	0%	8	2%	8	2%
American Indian	0	0%	0	0%	4	1%	4	1%
Asian American	3	27%	7	18%	54	17%	65	15%
Caucasian	4	36%	18	46%	194	60%	261	61%
Hawaiian/Pacific Islander	0	0%	0	0%	2	1%	2	0%
Hispanic/Latino	0	0%	0	0%	14	4%	18	4%
Other/Not Indicated	4	36%	14	36%	47	15%	68	16%
International	4	36%	12	31%	31	10%	45	11%

Current Status

	N	%	N	%	N	%	N	%
Employed for pay full time	11	100%	36	92%	266	82%	349	82%
Employed for pay part time	0	0%	1	3%	21	7%	26	6%
Participating in a volunteer or service program	0	0%	0	0%	0	0%	0	0%
Serving in the U.S. military	0	0%	0	0%	1	0%	1	0%
Enrolled in a program of continuing education	0	0%	0	0%	9	3%	10	2%
Planning to continue education	0	0%	0	0%	0	0%	0	0%
Seeking employment	0	0%	2	5%	16	5%	26	6%
Not seeking employment or continuing education	0	0%	0	0%	4	1%	5	1%
Other	0	0%	0	0%	6	2%	9	2%

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

	N	%	N	%	N	%	N	%
Employee working for a company or organization	6	55%	22	59%	159	56%	191	51%
Entrepreneur/self-employed	0	0%	0	0%	3	1%	4	1%
Temporary/contract work assignment	0	0%	1	3%	7	2%	8	2%
Freelance	0	0%	0	0%	0	0%	0	0%
Postgraduate internship or fellowship	3	27%	7	19%	84	29%	114	31%
Faculty tenure track position	2	18%	6	16%	17	6%	23	6%
Faculty non-tenure track position	0	0%	1	3%	13	5%	28	8%
Other	0	0%	0	0%	3	1%	5	1%

Career related

	N	%	N	%	N	%	N	%
Yes	11	100%	33	89%	275	97%	360	97%
No	0	0%	4	11%	9	3%	11	3%

Job location

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	3	30%	18	50%	158	56%	188	51%
Other Washington	1	10%	1	3%	15	5%	18	5%
Alaska, Idaho, Oregon	1	10%	2	6%	10	4%	15	4%
California, Hawaii	0	0%	2	6%	20	7%	30	8%
Mountain states	1	10%	1	3%	9	3%	15	4%
Central states	3	30%	6	17%	21	7%	28	8%
Eastern states	1	10%	5	14%	39	14%	58	16%
International	0	0%	1	3%	12	4%	19	5%

Type of employer

	N	%	N	%	N	%	N	%
For-profit company	4	40%	18	51%	95	34%	112	31%
Non-profit/NGO	1	10%	3	9%	52	19%	66	18%
Government	5	50%	12	34%	108	39%	151	42%
Other	0	0%	2	6%	21	8%	29	8%

Search time (weeks)

N	6	25	192	254
Mean	12.3	10.2	10.5	11.3
SD	7	8	10	10
Range	2 24	0 30	0 52	0 52

Salary

N	4	19	139	169
Mean	73,438	102,566	91,193	91,644
SD	16,437	26,792	33,789	32,657
Range	50,000 87,500	50,000 160,000	18,000 195,000	18,000 195,000

First year bonus

N	1	5	23	30
Mean	5,000	57,200	18,174	19,143
SD		76,790	39,033	35,049
Range	5,000 5,000	5,000 190,000	2,000 190,000	2,000 190,000

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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%	0	0%	0	0%
Other Washington	0	0%	0	0%	0	0%	0	0%
Alaska, Idaho, Oregon	0	0%	0	0%	0	0%	0	0%
California, Hawaii	0	0%	0	0%	0	0%	0	0%
Mountain states	0	0%	0	0%	0	0%	0	0%
Central states	0	0%	0	0%	0	0%	0	0%
Eastern states	0	0%	0	0%	0	0%	0	0%
International	0	0%	0	0%	0	0%	0	0%

Serving in the US Military**Service branch**

	N	%	N	%	N	%	N	%
Air Force	0	0%	0	0%	0	0%	0	0%
Army	0	0%	0	0%	0	0%	0	0%
Coast Guard	0	0%	0	0%	0	0%	0	0%
Marine Corps	0	0%	0	0%	0	0%	0	0%
Navy	0	0%	0	0%	1	100%	1	100%

Status

	N	%	N	%	N	%	N	%
Active duty	0	0%	0	0%	0	0%	0	0%
Reserve	0	0%	0	0%	1	100%	1	100%
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%	3	33%	3	30%
Associate (AA/AS)	0	0%	0	0%	0	0%	0	0%
Bachelor (BA/BS)	0	0%	0	0%	0	0%	0	0%
Masters (MA/MS) – terminal degree	0	0%	0	0%	1	11%	1	10%
Masters (MA/MS) – leading to doctorate	0	0%	0	0%	0	0%	0	0%
Doctorate (PhD/EdD)	0	0%	0	0%	1	11%	1	10%
Professional (JD, MD, DDS, PharmD)	0	0%	0	0%	2	22%	3	30%
Other	0	0%	0	0%	0	0%	0	0%

School location

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	0	0%	0	0%	4	50%	4	44%
Other Washington	0	0%	0	0%	1	13%	1	11%
Alaska, Idaho, Oregon	0	0%	0	0%	1	13%	1	11%
California, Hawaii	0	0%	0	0%	0	0%	0	0%
Mountain states	0	0%	0	0%	0	0%	0	0%
Central states	0	0%	0	0%	2	25%	3	33%
Eastern states	0	0%	0	0%	0	0%	0	0%
International	0	0%	0	0%	0	0%	0	0%

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

	N	%	N	%	N	%	N	%
Yes	7	78%	28	78%	287	92%	375	91%
No	2	22%	8	22%	24	8%	36	9%

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 your chosen field of study	9	3.9	34	3.7	296	3.7	388	3.7
Writing effectively	9	3.6	34	3.4	297	3.4	388	3.4
Speaking effectively about ideas, projects, and plans	9	3.3	34	3.3	297	3.2	389	3.3
Critically analyzing the research, technical literature, and/or performance in your field	9	3.7	34	3.7	296	3.6	388	3.6
Identifying important questions in your field	9	3.6	34	3.5	295	3.5	387	3.5
Identifying and using the best methods for answering specific questions in your field	9	3.7	34	3.4	296	3.4	388	3.4
Knowing how to generate original/creative ideas, solutions, and research directions	9	3.4	33	3.3	294	3.1	386	3.2
Knowing how to put research ideas into practice in your field	9	3.3	34	3.3	295	3.1	387	3.2
Understanding ethics and ethical practice in your field	9	2.7	34	2.7	295	3.3	386	3.2
Understanding, evaluating, and using the quantitative methods relevant to your field	9	3.6	34	3.4	295	3.1	386	3.2
Mastering specialized instruments, computer programs, or materials important to your field	9	3.8	34	3.4	296	2.9	387	3.0
Learning independently	9	3.6	34	3.6	296	3.5	388	3.5
Working collaboratively with others within your field	9	3.3	34	3.3	296	3.3	388	3.3
Working collaboratively with interdisciplinary groups	9	2.9	34	3.0	296	3.0	388	3.0
Understanding and valuing diverse people and cultures	9	3.0	34	3.0	295	3.2	386	3.2
Using self-reflection and self-assessment to guide next directions	9	2.8	34	3.0	296	3.1	387	3.1

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IMPORTANCE to current work and life

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

	N	Mean	N	Mean	N	Mean	N	Mean
Acquiring deep knowledge in your chosen field of study	9	3.7	32	3.7	287	3.7	374	3.7
Writing effectively	9	4.0	32	3.7	289	3.6	376	3.6
Speaking effectively about ideas, projects, and plans	9	4.0	32	3.8	289	3.6	374	3.6
Critically analyzing the research, technical literature, and/or performance in your field	9	3.8	32	3.6	288	3.6	375	3.6
Identifying important questions in your field	9	3.9	32	3.5	289	3.6	376	3.6
Identifying and using the best methods for answering specific questions in your field	9	3.9	32	3.6	287	3.7	374	3.7
Knowing how to generate original/creative ideas, solutions, and research directions	9	4.0	32	3.7	288	3.5	375	3.5
Knowing how to put research ideas into practice in your field	9	3.9	32	3.7	288	3.5	375	3.5
Understanding ethics and ethical practice in your field	9	3.8	32	3.4	288	3.6	375	3.5
Understanding, evaluating, and using the quantitative methods relevant to your field	9	4.0	32	3.8	287	3.4	374	3.4
Mastering specialized instruments, computer programs, or materials important to your field	9	3.8	32	3.6	287	3.3	374	3.3
Learning independently	9	3.9	32	3.6	288	3.7	375	3.7
Working collaboratively with others within your field	9	3.8	32	3.9	288	3.8	375	3.8
Working collaboratively with interdisciplinary groups	9	3.7	32	3.5	288	3.5	374	3.5
Understanding and valuing diverse people and cultures	8	3.6	31	3.4	287	3.6	374	3.5
Using self-reflection and self-assessment to guide next directions	9	4.0	32	3.6	288	3.6	375	3.6

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Overall UW experience

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

	N	Mean	N	Mean	N	Mean	N	Mean
The help you received from your graduate thesis (MA/MS graduates) or dissertation (PhD graduates) committee members	9	3.2	34	3.2	261	3.1	352	3.2
The help you received from graduate student colleagues	9	3.1	34	3.2	289	3.2	380	3.2
The help you received navigating the job market	9	2.1	34	2.3	291	2.2	382	2.2
Your overall learning experience at the UW	9	3.4	34	3.4	294	3.3	385	3.3

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

	N	Mean	N	Mean	N	Mean	N	Mean
Faculty treated students respectfully - regardless of race, gender, ethnicity, sexuality, and country of origin.	9	3.7	34	3.5	294	3.4	385	3.4
Students in my major treated each other respectfully - regardless of race, gender, ethnicity, sexuality, and country of origin.	9	3.8	34	3.6	294	3.5	385	3.5
Classrooms, labs, and other campus spaces were accessible.	9	3.3	34	3.4	294	3.5	383	3.5
If I had to make my college choice over again, I would choose to attend UW.	9	3.3	34	3.4	293	3.4	384	3.4

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?	9	3.4	33	3.3	291	3.4	382	3.4

Current activity roster**Employed Full Time or Part time**

Job title	Employing organization
Staff mechanical engineer	
Assistant Professor	Montana State University
Engineering Instructor	Everett Community College
Postdoctoral Research Fellow	The University of Michigan
Biomechanics Consultant	Guidance Engineering
Postdoctoral Fellow	University of Texas at Austin
Research/Structural Engineer	Pacific Northwest National Laboratory
Postdoctoral Fellow	Applied Research Laboratories - The University of Texas at Austin
Process Engineer	