

UW Alumni Survey Results 2017-2018 MASTERS Degree Recipients

	Mechanical Engineering		College Of Engineering		All Professional		UW Seattle	
Graduates Surveyed								
	N	%	N	%	N	%	N	%
Total	106	100%	698	100%	3359	100%	3923	100%
Women	17	16%	198	28%	1822	54%	2110	54%
Men	89	84%	500	72%	1537	46%	1813	46%
African American	0	0%	10	1%	118	4%	133	3%
American Indian	0	0%	1	0%	37	1%	44	1%
Asian American	11	10%	111	16%	483	14%	536	14%
Caucasian	37	35%	280	40%	1711	51%	2033	52%
Hawaiian/Pacific Islander	0	0%	1	0%	21	1%	22	1%
Hispanic/Latino	7	7%	42	6%	225	7%	249	6%
Other/Not Indicated	51	48%	253	36%	764	23%	906	23%
International	50	47%	239	34%	706	21%	839	21%
Survey Response Rates								
	N	%	N	%	N	%	N	%
Total	31	29%	226	32%	1139	34%	1330	34%
Women	6	19%	77	34%	640	56%	745	56%
Men	25	81%	149	66%	499	44%	585	44%
African American	0	0%	3	1%	41	4%	45	3%
American Indian	0	0%	1	0%	17	1%	20	2%
Asian American	1	3%	31	14%	158	14%	171	13%
Caucasian	11	35%	105	46%	606	53%	732	55%
Hawaiian/Pacific Islander	0	0%	1	0%	9	1%	10	1%
Hispanic/Latino	5	16%	9	4%	79	7%	84	6%
Other/Not Indicated	14	45%	76	34%	229	20%	268	20%
International	13	42%	72	32%	215	19%	251	19%
Current Status								
	N	%	N	%	N	%	N	%
Employed for pay full time	24	77%	170	75%	889	78%	971	73%
Employed for pay part time	2	6%	8	4%	45	4%	65	5%
Participating in a volunteer or service program	0	0%	1	0%	7	1%	7	1%
Serving in the U.S. military	0	0%	1	0%	6	1%	9	1%
Enrolled in a program of continuing education	3	10%	30	13%	65	6%	116	9%
Planning to continue education	0	0%	2	1%	8	1%	9	1%
Seeking employment	2	6%	9	4%	78	7%	98	7%
Not seeking employment or continuing education	0	0%	4	2%	11	1%	15	1%
Other	0	0%	1	0%	30	3%	40	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	21	84%	146	88%	791	88%	862	87%
Entrepreneur/self-employed	0	0%	0	0%	9	1%	11	1%
Temporary/contract work assignment	2	8%	6	4%	28	3%	33	3%
Freelance	0	0%	0	0%	2	0%	4	0%
Postgraduate internship or fellowship	0	0%	2	1%	20	2%	23	2%
Faculty tenure track position	1	4%	1	1%	7	1%	7	1%
Faculty non-tenure track position	0	0%	1	1%	10	1%	19	2%
Other	1	4%	10	6%	31	3%	35	4%

Career related

	N	%	N	%	N	%	N	%
Yes	24	100%	159	98%	853	95%	936	95%
No	0	0%	4	2%	41	5%	53	5%

Job location

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	13	54%	109	67%	623	70%	677	68%
Other Washington	0	0%	4	2%	40	4%	44	4%
Alaska, Idaho, Oregon	1	4%	6	4%	34	4%	36	4%
California, Hawaii	1	4%	21	13%	72	8%	77	8%
Mountain states	2	8%	2	1%	17	2%	20	2%
Central states	3	13%	6	4%	26	3%	32	3%
Eastern states	2	8%	8	5%	47	5%	61	6%
International	2	8%	7	4%	37	4%	44	4%

Type of employer

	N	%	N	%	N	%	N	%
For-profit company	20	87%	131	86%	441	52%	478	51%
Non-profit/NGO	1	4%	4	3%	148	18%	158	17%
Government	2	9%	17	11%	227	27%	263	28%
Other	0	0%	1	1%	25	3%	30	3%

Search time (weeks)

	N		N		N		N	
	12		74		494		536	
Mean	13.5		11.2		10.9		10.8	
SD	8		11		10		10	
Range	2 30		0 52		0 52		0 52	

Salary

	N		N		N		N	
	16		118		664		719	
Mean	83,276		100,671		85,176		84,660	
SD	19,012		57,350		47,701		49,771	
Range	42,000 122,000		30,000 500,000		13,000 500,000		13,000 500,000	

First year bonus

	N		N		N		N	
	3		38		167		175	
Mean	5,470		27,312		23,173		22,900	
SD	2,252		81,566		47,748		46,775	
Range	3,000 7,409		500 500,000		100 500,000		100 500,000	

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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	43%	3	43%
Other Washington	0	0%	0	0%	1	14%	1	14%
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%	1	14%	1	14%
International	0	0%	0	0%	2	29%	2	29%

Serving in the US Military**Service branch**

	N	%	N	%	N	%	N	%
Air Force	0	0%	1	100%	3	50%	4	44%
Army	0	0%	0	0%	1	17%	3	33%
Coast Guard	0	0%	0	0%	1	17%	1	11%
Marine Corps	0	0%	0	0%	0	0%	0	0%
Navy	0	0%	0	0%	1	17%	1	11%

Status

	N	%	N	%	N	%	N	%
Active duty	0	0%	1	100%	6	100%	9	100%
Reserve	0	0%	0	0%	0	0%	0	0%
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	2%	1	1%
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%	3	5%	5	5%
Masters (MA/MS) – leading to doctorate	0	0%	0	0%	0	0%	0	0%
Doctorate (PhD/EdD)	3	100%	29	97%	49	79%	93	85%
Professional (JD, MD, DDS, PharmD)	0	0%	1	3%	8	13%	9	8%
Other	0	0%	0	0%	0	0%	0	0%

School location

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	3	100%	25	86%	51	85%	88	83%
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%	1	3%	4	7%	6	6%
Mountain states	0	0%	0	0%	0	0%	2	2%
Central states	0	0%	1	3%	2	3%	3	3%
Eastern states	0	0%	2	7%	3	5%	6	6%
International	0	0%	0	0%	0	0%	1	1%

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

	N	%	N	%	N	%	N	%
Yes	17	59%	145	70%	900	85%	1048	84%
No	12	41%	62	30%	165	15%	194	16%

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	27	3.1	190	3.4	1011	3.3	1181	3.3
Writing effectively	27	3.0	188	2.7	1004	2.9	1174	2.9
Speaking effectively about ideas, projects, and plans	27	3.0	189	2.8	1009	3.0	1177	3.0
Critically analyzing the research, technical literature, and/or performance in your field	27	3.4	188	3.2	1008	3.2	1177	3.2
Identifying important questions in your field	27	3.2	189	3.1	1009	3.3	1178	3.3
Identifying and using the best methods for answering specific questions in your field	27	3.1	189	3.0	1008	3.1	1176	3.1
Knowing how to generate original/creative ideas, solutions, and research directions	27	2.9	189	2.9	1007	3.0	1176	3.0
Knowing how to put research ideas into practice in your field	27	2.9	189	2.8	1008	2.9	1177	2.9
Understanding ethics and ethical practice in your field	27	2.6	188	2.6	1007	3.1	1175	3.0
Understanding, evaluating, and using the quantitative methods relevant to your field	27	3.2	188	3.1	1006	3.0	1175	3.0
Mastering specialized instruments, computer programs, or materials important to your field	27	3.0	188	2.9	1005	2.7	1174	2.6
Learning independently	27	3.6	188	3.3	1003	3.2	1172	3.2
Working collaboratively with others within your field	27	3.1	187	3.1	1005	3.3	1174	3.2
Working collaboratively with interdisciplinary groups	27	2.6	187	2.7	1005	3.0	1174	2.9
Understanding and valuing diverse people and cultures	27	3.1	188	2.9	1004	3.2	1173	3.2
Using self-reflection and self-assessment to guide next directions	27	2.7	188	2.8	1006	3.0	1175	3.0

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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	26	3.7	182	3.5	966	3.5	1124	3.5
Writing effectively	26	3.4	180	3.3	963	3.4	1121	3.4
Speaking effectively about ideas, projects, and plans	26	3.5	182	3.5	963	3.6	1121	3.5
Critically analyzing the research, technical literature, and/or performance in your field	26	3.3	180	3.3	958	3.3	1115	3.3
Identifying important questions in your field	26	3.7	180	3.5	957	3.5	1115	3.4
Identifying and using the best methods for answering specific questions in your field	26	3.7	180	3.6	957	3.5	1115	3.5
Knowing how to generate original/creative ideas, solutions, and research directions	26	3.7	178	3.5	955	3.5	1113	3.5
Knowing how to put research ideas into practice in your field	26	3.5	179	3.3	954	3.3	1111	3.3
Understanding ethics and ethical practice in your field	26	3.3	178	3.3	956	3.4	1113	3.4
Understanding, evaluating, and using the quantitative methods relevant to your field	26	3.6	177	3.4	952	3.2	1109	3.2
Mastering specialized instruments, computer programs, or materials important to your field	26	3.7	179	3.4	955	3.2	1112	3.2
Learning independently	26	3.4	176	3.5	954	3.5	1111	3.5
Working collaboratively with others within your field	26	3.6	178	3.7	955	3.7	1111	3.7
Working collaboratively with interdisciplinary groups	26	3.7	178	3.6	955	3.6	1113	3.6
Understanding and valuing diverse people and cultures	26	3.3	178	3.3	955	3.6	1112	3.5
Using self-reflection and self-assessment to guide next directions	26	3.3	177	3.4	955	3.4	1113	3.4

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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	24	3.0	177	2.8	909	2.9	1060	2.9
The help you received from graduate student colleagues	26	3.2	186	3.1	974	3.2	1134	3.2
The help you received navigating the job market	25	2.1	180	2.2	963	2.3	1117	2.3
Your overall learning experience at the UW	26	3.2	188	3.2	982	3.2	1142	3.2

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.	26	3.5	186	3.7	980	3.5	1141	3.5
Students in my major treated each other respectfully - regardless of race, gender, ethnicity, sexuality, and country of origin.	26	3.5	185	3.7	980	3.5	1141	3.5
Classrooms, labs, and other campus spaces were accessible.	26	3.5	185	3.4	976	3.4	1136	3.4
If I had to make my college choice over again, I would choose to attend UW.	26	3.0	186	3.3	981	3.3	1142	3.3

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?	26	3.2	181	3.3	972	3.3	1128	3.2

Current activity roster

Employed Full Time or Part time

Job title	Employing organization
R&D Mechanical Engineer	
Turbomachine Design Engineer	Concept NREC
Development Engineer	
Stress Engineer	Boeing
Mechanical design engineer	
Design engineer	
Lecturer	Public Authority for Applied Education and Training
Project Coordinator	
research scientist/engineer	VA Center for Limb Loss & Mobility
Project Engineer	Power Plant Services
Thermal and Fluid Science Engineer	Cummins Inc.
Packaging R&D Engineer	Intel Corporation
Senior Software Engineer, Powertrain Functions	Byton North America Corporation
Mechanical Engineer	
Project engineer	ATS Automation
Engineer	The Boeing Company
Engineer	The Boeing Company
Office technician II	
Manufacturing Engineer	
Engineer	Boeing
Equipment and Tool Engineer	The Boeing Company
	Fresh Consulting
Mechanical engineer 2	H10 Capital
Research engineer	Mayo Clinic

Enrolled in Educational Program

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