

UW Alumni Survey Results 2020-2021 MASTERS Degree Recipients

	Mechanical Engineering		College Of Engineering		All Professional		UW Seattle	
Graduates Surveyed								
	N	%	N	%	N	%	N	%
Total	133	100%	865	100%	3685	100%	4305	100%
Women	18	14%	290	34%	2044	55%	2398	56%
Men	115	86%	575	66%	1641	45%	1907	44%
African American	0	0%	23	3%	143	4%	162	4%
American Indian	2	2%	5	1%	46	1%	49	1%
Asian American	15	11%	143	17%	610	17%	680	16%
Caucasian	37	28%	294	34%	1682	46%	1942	45%
Hawaiian/Pacific Islander	0	0%	1	0%	23	1%	28	1%
Hispanic/Latino	2	2%	39	5%	245	7%	302	7%
Other/Not Indicated	77	58%	360	42%	936	25%	1142	27%
International	77	58%	342	40%	853	23%	1042	24%
Survey Response Rates								
	N	%	N	%	N	%	N	%
Total	37	28%	218	25%	1027	28%	1174	27%
Women	4	11%	76	35%	583	57%	671	57%
Men	33	89%	142	65%	444	43%	503	43%
African American	0	0%	6	3%	31	3%	37	3%
American Indian	1	3%	2	1%	13	1%	16	1%
Asian American	3	8%	31	14%	158	15%	171	15%
Caucasian	13	35%	79	36%	504	49%	572	49%
Hawaiian/Pacific Islander	0	0%	0	0%	7	1%	8	1%
Hispanic/Latino	0	0%	9	4%	68	7%	81	7%
Other/Not Indicated	20	54%	91	42%	246	24%	289	25%
International	20	54%	85	39%	224	22%	264	22%
Current Status								
	N	%	N	%	N	%	N	%
Employed for pay full time	25	68%	168	77%	813	79%	901	77%
Employed for pay part time	2	5%	7	3%	40	4%	47	4%
Participating in a volunteer or service program	0	0%	2	1%	4	0%	4	0%
Serving in the U.S. military	1	3%	3	1%	7	1%	8	1%
Enrolled in a certificate or degree program	4	11%	23	11%	58	6%	88	7%
Planning to continue education	0	0%	0	0%	2	0%	5	0%
Seeking employment	4	11%	11	5%	69	7%	79	7%
A fellowship	0	0%	2	1%	15	1%	18	2%
Not seeking employment or continuing education	1	3%	2	1%	19	2%	24	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	26	96%	162	96%	775	93%	849	92%
Entrepreneur/self-employed	0	0%	1	1%	5	1%	9	1%
Temporary/contract work assignment	1	4%	4	2%	23	3%	28	3%
Freelance	0	0%	0	0%	0	0%	0	0%
Postgraduate internship or fellowship	0	0%	0	0%	8	1%	10	1%
Faculty tenure track position	0	0%	0	0%	4	0%	4	0%
Faculty non-tenure track position	0	0%	1	1%	9	1%	12	1%
Other	0	0%	1	1%	7	1%	11	1%

Career related

	N	%	N	%	N	%	N	%
Yes	26	96%	161	96%	793	96%	878	96%
No	1	4%	6	4%	33	4%	40	4%

Job location

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	11	41%	99	61%	532	66%	589	66%
Other Washington	0	0%	3	2%	31	4%	34	4%
Alaska, Idaho, Oregon	1	4%	3	2%	16	2%	18	2%
California, Hawaii	6	22%	23	14%	69	9%	77	9%
Mountain states	0	0%	6	4%	21	3%	24	3%
Central states	2	7%	8	5%	28	3%	30	3%
Eastern states	1	4%	4	2%	48	6%	56	6%
International	6	22%	16	10%	57	7%	63	7%

Type of employer

	N	%	N	%	N	%	N	%
For-profit company	22	81%	137	83%	477	59%	527	59%
Non-profit/NGO	1	4%	3	2%	94	12%	108	12%
Government	4	15%	23	14%	199	25%	214	24%
Other	0	0%	2	1%	35	4%	39	4%

Search time (weeks)

	N		N		N		N	
	18		85		463		512	
Mean	12.6		14.3		11.4		11.5	
SD	10		12		10		10	
Range	0 30		0 53		0 53		0 53	

Salary

	N		N		N		N	
	20		129		661		724	
Mean	94,653		103,889		96,305		95,246	
SD	36,179		37,294		53,960		52,455	
Range	28,048 145,000		28,048 250,000		10,000 600,000		10,000 600,000	

First year bonus

	N		N		N		N	
	11		50		183		198	
Mean	29,455		22,126		22,219		21,446	
SD	44,485		26,637		25,732		25,047	
Range	2,500 140,000		1,600 140,000		413 177,000		300 177,000	

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

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	0	0%	2	100%	3	75%	3	75%
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%	1	25%	1	25%

Serving in the US Military**Service branch**

	N	%	N	%	N	%	N	%
Air Force	0	0%	2	67%	2	29%	2	25%
Army	0	0%	0	0%	3	43%	4	50%
Coast Guard	0	0%	0	0%	0	0%	0	0%
Marine Corps	0	0%	0	0%	0	0%	0	0%
Navy	1	100%	1	33%	2	29%	2	25%

Status

	N	%	N	%	N	%	N	%
Active duty	1	100%	3	100%	6	86%	7	88%
Reserve	0	0%	0	0%	0	0%	0	0%
National Guard	0	0%	0	0%	1	14%	1	13%

Enrolled in Educational Program**Degree program**

	N	%	N	%	N	%	N	%
Certificate	0	0%	0	0%	0	0%	2	2%
Advanced Certificate	0	0%	0	0%	0	0%	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	1	25%	1	5%	5	9%	5	6%
Masters (MA/MS) – leading to doctorate	0	0%	1	5%	1	2%	1	1%
Doctorate (PhD/EdD)	3	75%	19	90%	45	82%	71	85%
Professional (JD, MD, DDS, PharmD)	0	0%	0	0%	3	5%	3	4%
Non-Degree Seeking	0	0%	0	0%	0	0%	0	0%
Postdoctoral Studies	0	0%	0	0%	0	0%	0	0%
Other	0	0%	0	0%	1	2%	1	1%

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School location

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	2	50%	14	70%	34	63%	52	64%
Other Washington	0	0%	0	0%	0	0%	0	0%
Alaska, Idaho, Oregon	0	0%	1	5%	1	2%	1	1%
California, Hawaii	0	0%	0	0%	2	4%	5	6%
Mountain states	0	0%	1	5%	3	6%	3	4%
Central states	0	0%	0	0%	1	2%	1	1%
Eastern states	1	25%	3	15%	7	13%	9	11%
International	1	25%	1	5%	6	11%	10	12%

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

	N	%	N	%	N	%	N	%
Yes	18	51%	136	67%	797	82%	908	82%
No	17	49%	66	33%	176	18%	204	18%

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	33	3.3	191	3.4	930	3.3	1058	3.3
Writing effectively	33	2.8	189	2.9	924	3.0	1052	3.0
Speaking effectively about ideas, projects, and plans	33	2.8	188	2.9	922	3.0	1050	3.0
Critically analyzing the research, technical literature, and/or performance in your field	33	3.3	189	3.3	923	3.2	1051	3.2
Identifying important questions in your field	33	3.0	189	3.2	923	3.3	1051	3.3
Identifying and using the best methods for answering specific questions in your field	33	3.1	189	3.3	922	3.1	1050	3.2
Knowing how to generate original/creative ideas, solutions, and research directions	33	2.9	189	3.0	923	3.0	1050	3.0
Knowing how to put research ideas into practice in your field	33	2.8	188	3.1	920	2.9	1047	2.9
Understanding ethics and ethical practice in your field	33	2.7	189	2.9	920	3.1	1048	3.1
Understanding, evaluating, and using the quantitative methods relevant to your field	33	3.1	187	3.2	920	3.0	1048	3.0
Mastering specialized instruments, computer programs, or materials important to your field	33	3.1	189	3.1	921	2.7	1049	2.7
Learning independently	33	3.4	185	3.4	916	3.2	1044	3.2
Working collaboratively with others within your field	33	3.0	188	3.2	919	3.3	1046	3.2
Working collaboratively with interdisciplinary groups	32	2.8	186	2.9	917	3.0	1045	3.0
Understanding and valuing diverse people and cultures	33	3.0	187	3.1	919	3.2	1045	3.2
Using self-reflection and self-assessment to guide next directions	33	2.9	187	2.9	921	3.1	1049	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	29	3.5	178	3.5	872	3.5	994	3.5
Writing effectively	29	3.0	173	3.2	863	3.3	985	3.3
Speaking effectively about ideas, projects, and plans	28	3.5	172	3.5	862	3.5	982	3.5
Critically analyzing the research, technical literature, and/or performance in your field	28	3.3	171	3.3	862	3.2	982	3.3
Identifying important questions in your field	29	3.4	172	3.3	862	3.4	983	3.4
Identifying and using the best methods for answering specific questions in your field	29	3.5	172	3.5	860	3.5	979	3.4
Knowing how to generate original/creative ideas, solutions, and research directions	29	3.3	173	3.4	861	3.4	982	3.4
Knowing how to put research ideas into practice in your field	29	3.1	173	3.2	861	3.2	982	3.2
Understanding ethics and ethical practice in your field	29	3.2	171	3.2	861	3.4	982	3.4
Understanding, evaluating, and using the quantitative methods relevant to your field	29	3.4	173	3.4	863	3.2	982	3.2
Mastering specialized instruments, computer programs, or materials important to your field	29	3.4	172	3.3	865	3.1	986	3.2
Learning independently	29	3.6	171	3.5	857	3.4	978	3.4
Working collaboratively with others within your field	29	3.7	172	3.6	861	3.6	981	3.6
Working collaboratively with interdisciplinary groups	29	3.7	173	3.5	862	3.5	983	3.5
Understanding and valuing diverse people and cultures	29	3.1	172	3.3	864	3.5	985	3.5
Using self-reflection and self-assessment to guide next directions	29	3.4	172	3.3	863	3.4	984	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	28	3.0	170	3.0	830	3.0	943	3.0
The help you received from graduate student colleagues	30	3.3	180	3.2	883	3.2	1003	3.2
The help you received navigating the job market	29	2.2	175	2.4	871	2.4	988	2.4
Your overall learning experience at the UW	30	3.3	183	3.3	874	3.2	993	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.	30	3.7	182	3.7	886	3.6	1006	3.6
Students in my major treated each other respectfully - regardless of race, gender, ethnicity, sexuality, and country of origin.	30	3.8	182	3.7	889	3.6	1011	3.6
Classrooms, labs, and other campus spaces were accessible.	30	3.5	179	3.3	873	3.1	994	3.1
If I had to make my college choice over again, I would choose to attend UW.	30	3.3	182	3.5	891	3.4	1013	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?	30	3.3	180	3.3	870	3.3	989	3.2

Current activity roster

Employed Full Time or Part time

Job title	Employing organization
Mechanical Engineer	Blue Origin LLC
Sde	Mediatek
Engineer	Facebook
Product design engineer	Apple
Algorithm Engineer	Aibee US Corporation
Predoctoral appointee	Argonne national laboratory
Engineer	Boeing
Engineer	Cars
Researcher	KING ABDULAZIZ CITY FOR SCIENCE AND TECHNOLOGY
Mechanical Systems Engineer	Boeing
Design Engineer	The Boeing Company
Software Engineer	DTEN Inc.
Mechanical Development Engineer	Systema Technologies
Managing Engineer	Delta V Biomechanics
engineer	Foxconn
Software engineer	Cepton
Sensor Engineer	Bill Austin and Associates / Cummins
Mechatronics Engineer	COMAC
Equipment Engineer	Maxim ADI
Space structure engineer	Agnikul shirts
Research Scientist	University of Washington
Software Engineer	
Research Engineer	University of Washington
Propulsion Design Engineer	The Boeing Company
Data Scientist	HCL America
Hardware Development Engineer	Amazon.com

Serving in the US military

Rank	Specialty
Lieutenant	Submarine

Enrolled in Educational Program

Program of study	Institution
Mechanical Engineering	Vanderbilt University
	University of Washington
Mechanical Engineering	University of Washington
Mechatronics	UBC