

UW Alumni Survey Results 2019-2020 UNDERGRADUATE Degree Recipients

	Mechanical Engineering		College Of Engineering		All Professional		UW Seattle	
Graduates Surveyed								
	N	%	N	%	N	%	N	%
Total	154	100%	907	100%	3181	100%	7880	100%
Women	30	19%	247	27%	1600	50%	4252	54%
Men	124	81%	660	73%	1581	50%	3628	46%
African American	7	5%	31	3%	118	4%	319	4%
American Indian	0	0%	9	1%	37	1%	80	1%
Asian American	41	27%	260	29%	920	29%	2246	29%
Caucasian	79	51%	387	43%	1373	43%	3279	42%
Hawaiian/Pacific Islander	0	0%	7	1%	29	1%	85	1%
Hispanic/Latino	9	6%	42	5%	267	8%	646	8%
Other/Not Indicated	18	12%	171	19%	437	14%	1225	16%
International	17	11%	159	18%	394	12%	1118	14%
Survey Response Rates								
	N	%	N	%	N	%	N	%
Total	49	32%	295	33%	947	30%	2124	27%
Women	15	31%	104	35%	533	56%	1301	61%
Men	34	69%	191	65%	414	44%	823	39%
African American	2	4%	10	3%	39	4%	85	4%
American Indian	0	0%	0	0%	6	1%	16	1%
Asian American	7	14%	88	30%	295	31%	623	29%
Caucasian	32	65%	137	46%	408	43%	957	45%
Hawaiian/Pacific Islander	0	0%	1	0%	8	1%	20	1%
Hispanic/Latino	3	6%	11	4%	83	9%	186	9%
Other/Not Indicated	5	10%	48	16%	108	11%	237	11%
International	5	10%	45	15%	98	10%	211	10%
Current Status								
	N	%	N	%	N	%	N	%
Employed for pay full time	27	55%	165	56%	561	59%	1130	53%
Employed for pay part time	1	2%	12	4%	54	6%	179	8%
Participating in a volunteer or service program	0	0%	1	0%	6	1%	23	1%
Serving in the U.S. military	0	0%	2	1%	4	0%	7	0%
Enrolled in a program of continuing education	7	14%	52	18%	169	18%	370	17%
Planning to continue education	2	4%	4	1%	25	3%	87	4%
Seeking employment	8	16%	46	16%	98	10%	243	11%
Not seeking employment or continuing education	1	2%	5	2%	9	1%	23	1%
Other	3	6%	8	3%	21	2%	62	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	24	89%	159	91%	537	90%	1109	88%
Entrepreneur/self-employed	0	0%	2	1%	6	1%	12	1%
Temporary/contract work assignment	3	11%	11	6%	42	7%	102	8%
Freelance	0	0%	0	0%	2	0%	9	1%
Postgraduate internship or fellowship	0	0%	0	0%	6	1%	17	1%
Other	0	0%	2	1%	5	1%	11	1%

Career related

	N	%	N	%	N	%	N	%
Yes	27	100%	159	92%	527	88%	1039	82%
No	0	0%	14	8%	72	12%	223	18%

Job location

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	20	74%	121	72%	451	76%	950	76%
Other Washington	1	4%	9	5%	25	4%	58	5%
Alaska, Idaho, Oregon	1	4%	9	5%	15	3%	26	2%
California, Hawaii	2	7%	11	7%	42	7%	84	7%
Mountain states	0	0%	5	3%	13	2%	24	2%
Central states	0	0%	3	2%	7	1%	16	1%
Eastern states	2	7%	6	4%	22	4%	43	3%
International	1	4%	5	3%	18	3%	43	3%

Type of employer

	N	%	N	%	N	%	N	%
For-profit company	24	92%	142	85%	403	70%	810	68%
Non-profit/NGO	0	0%	4	2%	52	9%	124	10%
Government	2	8%	17	10%	103	18%	221	19%
Other	0	0%	4	2%	15	3%	39	3%

Search time (weeks)

	N		N		N		N	
	20		121		393		775	
Mean	10.7		14.0		11.6		10.7	
SD	13		11		10		10	
Range	0 50		0 52		0 52		0 52	

Salary

	N		N		N		N	
	21		137		442		853	
Mean	75,386		76,836		64,657		61,366	
SD	13,896		22,028		23,557		27,201	
Range	54,000 110,000		18,000 125,000		15,000 143,000		15,000 155,000	

First year bonus

	N		N		N		N	
	8		57		154		252	
Mean	5,438		12,083		10,678		13,728	
SD	6,439		12,885		11,890		17,379	
Range	1,000 20,000		1,000 70,000		200 70,000		100 147,000	

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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%	2	33%	13	59%
Other Washington	0	0%	0	0%	1	17%	2	9%
Alaska, Idaho, Oregon	0	0%	0	0%	0	0%	0	0%
California, Hawaii	0	0%	0	0%	1	17%	2	9%
Mountain states	0	0%	0	0%	0	0%	0	0%
Central states	0	0%	0	0%	1	17%	1	5%
Eastern states	0	0%	0	0%	0	0%	1	5%
International	0	0%	1	100%	1	17%	3	14%

Serving in the US Military**Service branch**

	N	%	N	%	N	%	N	%
Air Force	0	0%	0	0%	1	25%	1	14%
Army	0	0%	2	100%	2	50%	5	71%
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	25%	1	14%

Status

	N	%	N	%	N	%	N	%
Active duty	0	0%	1	50%	2	50%	5	71%
Reserve	0	0%	0	0%	1	25%	1	14%
National Guard	0	0%	1	50%	1	25%	1	14%

Enrolled in Educational Program**Degree program**

	N	%	N	%	N	%	N	%
Certificate	0	0%	0	0%	2	1%	9	2%
Associate (AA/AS)	0	0%	0	0%	1	1%	2	1%
Bachelor (BA/BS)	0	0%	0	0%	1	1%	11	3%
Masters (MA/MS) – terminal degree	4	57%	38	75%	124	75%	235	65%
Masters (MA/MS) – leading to doctorate	1	14%	3	6%	13	8%	27	7%
Doctorate (PhD/EdD)	2	29%	10	20%	15	9%	40	11%
Professional (JD, MD, DDS, PharmD)	0	0%	0	0%	6	4%	27	7%
Other	0	0%	0	0%	0	0%	0	0%

School location

	N	%	N	%	N	%	N	%
King, Pierce, Snohomish counties	4	57%	25	50%	104	64%	195	55%
Other Washington	0	0%	0	0%	1	1%	8	2%
Alaska, Idaho, Oregon	0	0%	0	0%	2	1%	7	2%
California, Hawaii	0	0%	7	14%	14	9%	30	9%
Mountain states	0	0%	2	4%	4	2%	10	3%
Central states	0	0%	3	6%	7	4%	18	5%
Eastern states	3	43%	12	24%	26	16%	64	18%
International	0	0%	1	2%	5	3%	20	6%

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

	N	%	N	%	N	%	N	%
Yes	44	94%	243	86%	814	91%	1832	91%
No	3	6%	40	14%	85	9%	184	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 at least one field of study	44	3.3	264	3.3	850	3.3	1912	3.3
Writing effectively	44	2.7	264	2.7	849	2.9	1910	3.0
Speaking effectively about ideas, projects, and plans	44	2.8	263	3.0	847	3.2	1909	3.1
Thinking critically and analytically, defining and solving problems	44	3.5	264	3.4	849	3.4	1909	3.4
Creating something new (for example, art, a performance, an object, ideas, or processes)	44	3.0	263	2.8	847	2.8	1904	2.7
Gathering information, conducting research	44	3.0	263	3.2	845	3.3	1900	3.3
Quantitative reasoning	44	3.3	261	3.4	844	3.2	1898	3.1
Understanding and valuing diverse people and cultures	44	2.8	262	2.9	845	3.2	1898	3.2
Working and learning independently	44	3.4	263	3.3	845	3.4	1898	3.4
Working and learning in a team	44	3.3	263	3.4	847	3.4	1897	3.2
Taking on leadership roles inside or outside of the classroom	44	2.7	263	2.9	845	3.0	1899	2.8
Understanding ethical practice(s) in at least one field	43	2.7	262	2.9	844	3.2	1894	3.1
Using self-reflection and self-assessment to guide next directions	44	2.7	261	2.7	841	3.0	1891	2.9
Using specialized instruments, computer programs, or materials relevant to your field(s) of study	44	3.3	264	3.3	844	3.1	1895	2.9
Developing skills and attitudes that foster lifelong learning	44	3.0	262	3.0	844	3.2	1894	3.1
Developing career interests and habits for success in the workplace	44	3.0	263	2.9	841	3.1	1891	3.0
Understanding more about who you are	44	2.9	261	2.8	842	3.0	1895	3.0
Finding a direction you'd like to pursue	43	2.8	260	2.9	842	3.0	1894	3.0
Understanding and practicing civic engagement, social responsibility	44	2.4	262	2.6	841	2.9	1890	2.8

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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 at least one field of study	40	3.5	246	3.4	782	3.4	1763	3.4
Writing effectively	40	3.2	246	3.2	777	3.3	1748	3.2
Speaking effectively about ideas, projects, and plans	40	3.5	246	3.6	779	3.6	1752	3.6
Thinking critically and analytically, defining and solving problems	40	3.7	246	3.7	776	3.7	1748	3.7
Creating something new (for example, art, a performance, an object, ideas, or processes)	40	2.9	245	3.1	776	3.0	1747	3.0
Gathering information, conducting research	40	3.3	244	3.3	775	3.3	1746	3.2
Quantitative reasoning	40	3.4	242	3.4	772	3.3	1740	3.2
Understanding and valuing diverse people and cultures	40	3.0	243	3.2	770	3.4	1744	3.4
Working and learning independently	40	3.3	242	3.5	773	3.6	1744	3.5
Working and learning in a team	40	3.5	242	3.6	774	3.6	1745	3.6
Taking on leadership roles inside or outside of the classroom	40	3.1	242	3.1	774	3.2	1745	3.2
Understanding ethical practice(s) in at least one field	40	3.0	243	3.2	773	3.3	1740	3.3
Using self-reflection and self-assessment to guide next directions	40	3.3	243	3.2	770	3.3	1743	3.3
Using specialized instruments, computer programs, or materials relevant to your field(s) of study	40	3.3	241	3.3	771	3.3	1740	3.2
Developing skills and attitudes that foster lifelong learning	40	3.4	243	3.3	774	3.5	1742	3.4
Developing career interests and habits for success in the workplace	40	3.5	242	3.4	772	3.5	1739	3.5
Understanding more about who you are	40	3.1	243	3.1	771	3.3	1741	3.3
Finding a direction you'd like to pursue	40	3.4	243	3.4	773	3.5	1745	3.5
Understanding and practicing civic engagement, social responsibility	40	2.9	243	3.0	773	3.2	1745	3.2

Number of completed faculty-mentored research projects

	N	%	N	%	N	%	N	%
None	10	24%	72	29%	347	43%	833	46%
One	21	51%	83	33%	234	29%	547	30%
Two	5	12%	54	22%	119	15%	250	14%
Three or more	5	12%	41	16%	98	12%	179	10%

Number of completed internships

	N	%	N	%	N	%	N	%
None	9	22%	69	28%	246	31%	768	42%
One	16	39%	102	41%	279	35%	542	30%
Two	10	24%	47	19%	163	20%	319	18%
Three or more	6	15%	32	13%	110	14%	180	10%

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Number of completed service-learning projects

	N	%	N	%	N	%	N	%
None	30	73%	192	77%	470	59%	1147	64%
One	10	24%	43	17%	190	24%	403	22%
Two	1	2%	9	4%	78	10%	158	9%
Three or more	0	0%	5	2%	58	7%	98	5%

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)	16	2.9	98	2.8	261	2.9	552	3.0
Internship(s)	20	3.8	119	3.6	372	3.5	670	3.4
Service-learning project(s)	5	2.2	33	2.6	197	2.9	388	2.8

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	41	3.3	246	2.9	783	2.9	1772	2.9
The help you received from academic advisers before you were formally admitted to your major	41	2.6	242	2.3	781	2.4	1783	2.4
The help you received from academic advisers in your academic department	41	3.2	246	3.0	787	3.1	1791	3.1
The help you received from your outside-class interactions with faculty/Tas	41	3.2	246	3.2	786	3.1	1787	3.0
Your overall learning experience at the UW	39	3.1	244	3.0	783	3.1	1771	3.1

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.	41	3.4	246	3.5	787	3.5	1788	3.4
Students in my program treated each other respectfully - regardless of race, gender, ethnicity, sexuality, or country of origin.	41	3.3	247	3.4	790	3.5	1793	3.5
Classrooms, labs, and other campus spaces were accessible.	41	3.2	246	3.4	789	3.4	1790	3.3
If I had to make my college choice over again, I would choose to attend UW.	41	3.4	246	3.2	794	3.3	1798	3.2

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?	41	3.2	248	3.2	781	3.2	1767	3.2

Current activity roster

Employed Full Time or Part time

Job title	Employing organization
Project Engineer I	McKinstry
Project Engineer	The Rushing Company
Project Engineer	Walsh Construction
Engineering Technician	Kymeta
Mechanical Engineer	PAE
Research Scientist/Engineer 1	University of Washington Applied Physics Lab
Test Analysis Engineer	The Boeing Company
Mechanical Engineer in training	Hargis Engineers, Inc.
Systems Design Engineer	Global FIA
Hardware Design Engineer	HP
Product Design Engineer	Apple
Marine Engineer	Glosten
Marine Mechanical Engineer	Glosten
Mechanical Engineer	Puget Sound Naval Shipyard
Flight Test Engineer	QuickSilver Aerospace, LLC
Process Engineer	W.L. Gore & Associates
Mechanical Design Engineer	Kenworth Truck Company
Intern	Sensoria
Mechanical Engineer 1	Crane Aerospace and Electronics
Mechanical Design Engineer	Tesla
Structural analysis engineer	
Composite Engineer	Real Carbon Inc.
Jr Mechanical Engineer	Facture
Controls Engineer	Quality Controls Corporation
Validation Engineer	
Manufacturing engineer	Blue Origin

Enrolled in Educational Program

Program of study	Institution
	Clemson University International Center for Automotive Research
	University of Washington
	University of Washington
Bachelor of science in mechanical engineering	University of Michigan
	University of Washington
	University of Washington
	University of Michigan