# UW Alumni Survey Results
# 2019-2020 MASTERS Degree Recipients

| | Chemical Engineering | | College Of Engineering | | All Professional | | UW Seattle | |
|---|---|---|---|---|---|---|---|---|
| **Graduates Surveyed** | | | | | | | | |
| | N | % | N | % | N | % | N | % |
| Total | 21 | 100% | 782 | 100% | 3669 | 100% | 4266 | 100% |
| Women | 5 | 24% | 244 | 31% | 1997 | 54% | 2306 | 54% |
| Men | 16 | 76% | 538 | 69% | 1672 | 46% | 1960 | 46% |
| African American | 0 | 0% | 9 | 1% | 130 | 4% | 161 | 4% |
| American Indian | 0 | 0% | 8 | 1% | 43 | 1% | 49 | 1% |
| Asian American | 1 | 5% | 122 | 16% | 618 | 17% | 666 | 16% |
| Caucasian | 5 | 24% | 322 | 41% | 1774 | 48% | 2082 | 49% |
| Hawaiian/Pacific Islander | 0 | 0% | 3 | 0% | 16 | 0% | 20 | 0% |
| Hispanic/Latino | 0 | 0% | 39 | 5% | 260 | 7% | 293 | 7% |
| Other/Not Indicated | 15 | 71% | 279 | 36% | 828 | 23% | 995 | 23% |
| International | 15 | 71% | 265 | 34% | 761 | 21% | 915 | 21% |
| **Survey Response Rates** | | | | | | | | |
| | N | % | N | % | N | % | N | % |
| Total | 10 | 48% | 229 | 29% | 1147 | 31% | 1314 | 31% |
| Women | 3 | 30% | 80 | 35% | 647 | 56% | 726 | 55% |
| Men | 7 | 70% | 149 | 65% | 500 | 44% | 588 | 45% |
| African American | 0 | 0% | 1 | 0% | 25 | 2% | 31 | 2% |
| American Indian | 0 | 0% | 1 | 0% | 9 | 1% | 14 | 1% |
| Asian American | 1 | 10% | 42 | 18% | 193 | 17% | 209 | 16% |
| Caucasian | 3 | 30% | 105 | 46% | 615 | 54% | 702 | 53% |
| Hawaiian/Pacific Islander | 0 | 0% | 0 | 0% | 6 | 1% | 6 | 0% |
| Hispanic/Latino | 0 | 0% | 9 | 4% | 83 | 7% | 97 | 7% |
| Other/Not Indicated | 6 | 60% | 71 | 31% | 216 | 19% | 255 | 19% |
| International | 6 | 60% | 67 | 29% | 196 | 17% | 232 | 18% |
| **Current Status** | | | | | | | | |
| | N | % | N | % | N | % | N | % |
| Employed for pay full time | 5 | 50% | 139 | 61% | 821 | 72% | 898 | 68% |
| Employed for pay part time | 1 | 10% | 12 | 5% | 71 | 6% | 87 | 7% |
| Participating in a volunteer or service program | 0 | 0% | 1 | 0% | 1 | 0% | 5 | 0% |
| Serving in the U.S. military | 1 | 10% | 4 | 2% | 9 | 1% | 9 | 1% |
| Enrolled in a program of continuing education | 3 | 30% | 40 | 17% | 91 | 8% | 126 | 10% |
| Planning to continue education | 0 | 0% | 3 | 1% | 7 | 1% | 9 | 1% |
| Seeking employment | 0 | 0% | 22 | 10% | 113 | 10% | 135 | 10% |
| Not seeking employment or continuing education | 0 | 0% | 3 | 1% | 11 | 1% | 15 | 1% |
| Other | 0 | 0% | 5 | 2% | 23 | 2% | 30 | 2% |

## Employed Full Time or Part time

### Type of employment

| | Chemical Engineering | | College Of Engineering | | All Professional | | UW Seattle | |
|---|---|---|---|---|---|---|---|---|
| | N | % | N | % | N | % | N | % |
| Employee working for a company or organization | 3 | 50% | 130 | 89% | 768 | 88% | 840 | 87% |
| Entrepreneur/self-employed | 0 | 0% | 0 | 0% | 7 | 1% | 9 | 1% |
| Temporary/contract work assignment | 2 | 33% | 10 | 7% | 48 | 6% | 54 | 6% |
| Freelance | 0 | 0% | 0 | 0% | 1 | 0% | 1 | 0% |
| Postgraduate internship or fellowship | 0 | 0% | 4 | 3% | 25 | 3% | 27 | 3% |
| Faculty tenure track position | 0 | 0% | 0 | 0% | 6 | 1% | 7 | 1% |
| Faculty non-tenure track position | 0 | 0% | 0 | 0% | 5 | 1% | 6 | 1% |
| Other | 1 | 17% | 2 | 1% | 12 | 1% | 17 | 2% |

### Career related

| | N | % | N | % | N | % | N | % |
|---|---|---|---|---|---|---|---|---|
| Yes | 6 | 100% | 140 | 96% | 831 | 95% | 909 | 95% |
| No | 0 | 0% | 6 | 4% | 41 | 5% | 52 | 5% |

### Job location

| | N | % | N | % | N | % | N | % |
|---|---|---|---|---|---|---|---|---|
| King, Pierce, Snohomish counties | 4 | 67% | 99 | 69% | 606 | 70% | 658 | 69% |
| Other Washington | 0 | 0% | 4 | 3% | 42 | 5% | 44 | 5% |
| Alaska, Idaho, Oregon | 0 | 0% | 7 | 5% | 40 | 5% | 43 | 5% |
| California, Hawaii | 0 | 0% | 11 | 8% | 49 | 6% | 62 | 7% |
| Mountain states | 0 | 0% | 5 | 3% | 17 | 2% | 18 | 2% |
| Central states | 0 | 0% | 4 | 3% | 17 | 2% | 21 | 2% |
| Eastern states | 1 | 17% | 7 | 5% | 59 | 7% | 65 | 7% |
| International | 1 | 17% | 7 | 5% | 32 | 4% | 39 | 4% |

### Type of employer

| | N | % | N | % | N | % | N | % |
|---|---|---|---|---|---|---|---|---|
| For-profit company | 4 | 100% | 119 | 85% | 439 | 53% | 490 | 53% |
| Non-profit/NGO | 0 | 0% | 3 | 2% | 129 | 15% | 139 | 15% |
| Government | 0 | 0% | 15 | 11% | 244 | 29% | 262 | 29% |
| Other | 0 | 0% | 3 | 2% | 24 | 3% | 27 | 3% |

### Search time (weeks)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| N | | 1 | | 58 | | 450 | | 491 |
| Mean | | 3.0 | | 9.6 | | 12.0 | | 11.8 |
| SD | | | | 10 | | 10 | | 10 |
| Range | 3 | 3 | 0 | 50 | 0 | 50 | 0 | 50 |

### Salary

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| N | | 2 | | 110 | | 656 | | 717 |
| Mean | | 65,000 | | 97,337 | | 90,308 | | 89,828 |
| SD | | 21,213 | | 34,645 | | 57,055 | | 56,192 |
| Range | 50,000 | 80,000 | 10,000 | 187,000 | 10,000 | 950,000 | 10,000 | 950,000 |

## Participating in a Volunteer or Service Program

### Program location

| | Chemical Engineering N | Chemical Engineering % | College Of Engineering N | College Of Engineering % | All Professional N | All Professional % | UW Seattle N | UW Seattle % |
|---|---|---|---|---|---|---|---|---|
| King, Pierce, Snohomish counties | 0 | 0% | 0 | 0% | 0 | 0% | 2 | 67% |
| Other Washington | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| Alaska, Idaho, Oregon | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 33% |
| 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

| | Chemical Engineering N | Chemical Engineering % | College Of Engineering N | College Of Engineering % | All Professional N | All Professional % | UW Seattle N | UW Seattle % |
|---|---|---|---|---|---|---|---|---|
| Air Force | 0 | 0% | 1 | 25% | 2 | 22% | 2 | 22% |
| Army | 1 | 100% | 1 | 25% | 3 | 33% | 3 | 33% |
| Coast Guard | 0 | 0% | 1 | 25% | 1 | 11% | 1 | 11% |
| Marine Corps | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| Navy | 0 | 0% | 1 | 25% | 3 | 33% | 3 | 33% |

### Status

| | Chemical Engineering N | Chemical Engineering % | College Of Engineering N | College Of Engineering % | All Professional N | All Professional % | UW Seattle N | UW Seattle % |
|---|---|---|---|---|---|---|---|---|
| Active duty | 1 | 100% | 4 | 100% | 9 | 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

| | Chemical Engineering N | Chemical Engineering % | College Of Engineering N | College Of Engineering % | All Professional N | All Professional % | UW Seattle N | UW Seattle % |
|---|---|---|---|---|---|---|---|---|
| Certificate | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| 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% | 1 | 3% | 5 | 6% | 6 | 5% |
| Masters (MA/MS) – leading to doctorate | 0 | 0% | 0 | 0% | 1 | 1% | 2 | 2% |
| Doctorate (PhD/EdD) | 3 | 100% | 35 | 92% | 75 | 85% | 104 | 87% |
| Professional (JD, MD, DDS, PharmD) | 0 | 0% | 0 | 0% | 5 | 6% | 6 | 5% |
| Other | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |

### School location

| | Chemical Engineering N | Chemical Engineering % | College Of Engineering N | College Of Engineering % | All Professional N | All Professional % | UW Seattle N | UW Seattle % |
|---|---|---|---|---|---|---|---|---|
| King, Pierce, Snohomish counties | 3 | 100% | 29 | 78% | 63 | 76% | 85 | 75% |
| Other Washington | 0 | 0% | 0 | 0% | 1 | 1% | 1 | 1% |
| Alaska, Idaho, Oregon | 0 | 0% | 1 | 3% | 1 | 1% | 1 | 1% |
| California, Hawaii | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 1% |
| Mountain states | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| Central states | 0 | 0% | 0 | 0% | 2 | 2% | 3 | 3% |
| Eastern states | 0 | 0% | 4 | 11% | 11 | 13% | 17 | 15% |
| International | 0 | 0% | 3 | 8% | 5 | 6% | 5 | 4% |

| | Chemical Engineering | | College Of Engineering | | All Professional | | UW Seattle | |
|---|---|---|---|---|---|---|---|---|

## All Respondents

### Authorized to permanently work in the U.S.

| | N | % | N | % | N | % | N | % |
|---|---|---|---|---|---|---|---|---|
| Yes | 4 | 44% | 161 | 75% | 940 | 85% | 1064 | 85% |
| No | 5 | 56% | 54 | 25% | 160 | 15% | 188 | 15% |

### 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 | 3.6 | 206 | 3.4 | 1051 | 3.4 | 1198 | 3.4 |
| Writing effectively | 9 | 3.1 | 205 | 2.8 | 1044 | 3.0 | 1189 | 3.0 |
| Speaking effectively about ideas, projects, and plans | 9 | 3.2 | 206 | 2.9 | 1047 | 3.0 | 1193 | 3.0 |
| Critically analyzing the research, technical literature, and/or performance in your field | 9 | 3.7 | 205 | 3.3 | 1047 | 3.3 | 1193 | 3.3 |
| Identifying important questions in your field | 9 | 3.3 | 205 | 3.2 | 1044 | 3.3 | 1191 | 3.3 |
| Identifying and using the best methods for answering specific questions in your field | 9 | 3.2 | 205 | 3.2 | 1046 | 3.2 | 1192 | 3.2 |
| Knowing how to generate original/creative ideas, solutions, and research directions | 9 | 3.1 | 204 | 3.0 | 1045 | 3.1 | 1191 | 3.1 |
| Knowing how to put research ideas into practice in your field | 9 | 3.2 | 202 | 2.9 | 1038 | 3.0 | 1183 | 3.0 |
| Understanding ethics and ethical practice in your field | 9 | 3.2 | 203 | 2.8 | 1041 | 3.1 | 1187 | 3.1 |
| Understanding, evaluating, and using the quantitative methods relevant to your field | 9 | 3.1 | 203 | 3.2 | 1040 | 3.1 | 1186 | 3.1 |
| Mastering specialized instruments, computer programs, or materials important to your field | 9 | 3.6 | 202 | 2.9 | 1041 | 2.7 | 1186 | 2.7 |
| Learning independently | 9 | 3.8 | 200 | 3.4 | 1032 | 3.2 | 1177 | 3.2 |
| Working collaboratively with others within your field | 9 | 3.3 | 202 | 3.2 | 1040 | 3.3 | 1185 | 3.3 |
| Working collaboratively with interdisciplinary groups | 9 | 3.2 | 203 | 2.8 | 1042 | 3.0 | 1188 | 3.0 |
| Understanding and valuing diverse people and cultures | 9 | 3.8 | 202 | 2.8 | 1036 | 3.2 | 1182 | 3.2 |
| Using self-reflection and self-assessment to guide next directions | 9 | 3.4 | 202 | 2.9 | 1041 | 3.0 | 1187 | 3.0 |

| | Chemical Engineering | | College Of Engineering | | All Professional | | UW Seattle | |
|---|---|---|---|---|---|---|---|---|
| **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 | 3.3 | 190 | 3.6 | 989 | 3.5 | 1129 | 3.5 |
| Writing effectively | 9 | 3.3 | 189 | 3.4 | 979 | 3.4 | 1118 | 3.4 |
| Speaking effectively about ideas, projects, and plans | 9 | 3.3 | 190 | 3.5 | 981 | 3.6 | 1120 | 3.5 |
| Critically analyzing the research, technical literature, and/or performance in your field | 9 | 3.2 | 189 | 3.3 | 981 | 3.3 | 1120 | 3.3 |
| Identifying important questions in your field | 9 | 3.4 | 190 | 3.5 | 983 | 3.5 | 1122 | 3.5 |
| Identifying and using the best methods for answering specific questions in your field | 9 | 3.6 | 189 | 3.6 | 980 | 3.5 | 1118 | 3.5 |
| Knowing how to generate original/creative ideas, solutions, and research directions | 9 | 3.4 | 189 | 3.5 | 983 | 3.5 | 1122 | 3.5 |
| Knowing how to put research ideas into practice in your field | 9 | 3.3 | 190 | 3.2 | 985 | 3.3 | 1123 | 3.3 |
| Understanding ethics and ethical practice in your field | 9 | 3.4 | 190 | 3.3 | 984 | 3.5 | 1123 | 3.5 |
| Understanding, evaluating, and using the quantitative methods relevant to your field | 9 | 3.2 | 190 | 3.3 | 981 | 3.3 | 1120 | 3.3 |
| Mastering specialized instruments, computer programs, or materials important to your field | 9 | 3.4 | 189 | 3.4 | 980 | 3.2 | 1119 | 3.2 |
| Learning independently | 9 | 3.2 | 189 | 3.5 | 980 | 3.5 | 1117 | 3.5 |
| Working collaboratively with others within your field | 9 | 3.4 | 187 | 3.6 | 978 | 3.7 | 1115 | 3.7 |
| Working collaboratively with interdisciplinary groups | 9 | 3.3 | 190 | 3.5 | 983 | 3.6 | 1122 | 3.6 |
| Understanding and valuing diverse people and cultures | 9 | 3.2 | 190 | 3.4 | 982 | 3.6 | 1120 | 3.6 |
| Using self-reflection and self-assessment to guide next directions | 9 | 3.4 | 190 | 3.4 | 982 | 3.5 | 1121 | 3.5 |

## Overall UW experience

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

| | Chemical Engineering | | College Of Engineering | | All Professional | | UW Seattle | |
|---|---|---|---|---|---|---|---|---|
| | 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 | 180 | 3.0 | 933 | 3.0 | 1066 | 3.0 |
| The help you received from graduate student colleagues | 9 | 3.1 | 194 | 3.2 | 1001 | 3.3 | 1141 | 3.2 |
| The help you received navigating the job market | 9 | 2.4 | 187 | 2.4 | 987 | 2.3 | 1126 | 2.3 |
| Your overall learning experience at the UW | 9 | 3.2 | 194 | 3.3 | 986 | 3.3 | 1124 | 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. | 9 | 3.6 | 194 | 3.7 | 1007 | 3.5 | 1147 | 3.5 |
| Students in my major treated each other respectfully - regardless of race, gender, ethnicity, sexuality, and country of origin. | 9 | 3.4 | 194 | 3.7 | 1008 | 3.6 | 1147 | 3.6 |
| Classrooms, labs, and other campus spaces were accessible. | 9 | 3.6 | 193 | 3.4 | 1004 | 3.4 | 1144 | 3.4 |
| If I had to make my college choice over again, I would choose to attend UW. | 9 | 3.3 | 195 | 3.5 | 1010 | 3.4 | 1150 | 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? | 9 | 3.3 | 192 | 3.4 | 994 | 3.3 | 1132 | 3.3 |

# Current activity roster

## Employed Full Time or Part time

| Job title | Employing organization |
|---|---|
| Battery Test Engineer | BenAn Energy |
| PhD Candidate | |
| Chemical engineer | Sinopec |
| Associate Scientist | Novelstar Pharmaceutical Inc. |
| Data Analyst | Apex System LLC |
| PhD student/research assistant | |

## Serving in the US military

| Rank | Specialty |
|---|---|
| CPT | Chemistry/ Chemical Engineering Instructor |

## Enrolled in Educational Program

| Program of study | Institution |
|---|---|
| | University of Washington |
| | university of Washington |
| | University of Washington |