

## UW Alumni Survey Results 2018-2019 MASTERS Degree Recipients

|   | Applied Mathematics |      | A&S Natural Sciences |      | Arts & Sciences |      | UW Seattle |      |
|---|---------------------|------|----------------------|------|-----------------|------|------------|------|
| <b>Graduates Surveyed</b>                       |                     |      |                      |      |                 |      |            |      |
|   | N                   | %    | N                    | %    | N               | %    | N          | %    |
| Total   | 104                 | 100% | 281                  | 100% | 598             | 100% | 4055       | 100% |
| Women   | 40                  | 38%  | 134                  | 48%  | 303             | 51%  | 2200       | 54%  |
| Men   | 64                  | 62%  | 147                  | 52%  | 295             | 49%  | 1855       | 46%  |
| African American                                | 2                   | 2%   | 5                    | 2%   | 14              | 2%   | 148        | 4%   |
| American Indian                                 | 1                   | 1%   | 5                    | 2%   | 12              | 2%   | 54         | 1%   |
| Asian American                                  | 14                  | 13%  | 42                   | 15%  | 70              | 12%  | 615        | 15%  |
| Caucasian                                       | 42                  | 40%  | 138                  | 49%  | 307             | 51%  | 2020       | 50%  |
| Hawaiian/Pacific Islander                       | 0                   | 0%   | 1                    | 0%   | 4               | 1%   | 28         | 1%   |
| Hispanic/Latino                                 | 1                   | 1%   | 7                    | 2%   | 30              | 5%   | 242        | 6%   |
| Other/Not Indicated                             | 44                  | 42%  | 83                   | 30%  | 161             | 27%  | 948        | 23%  |
| International                                   | 39                  | 38%  | 77                   | 27%  | 149             | 25%  | 885        | 22%  |
| <b>Survey Response Rates</b>                    |                     |      |                      |      |                 |      |            |      |
|   | N                   | %    | N                    | %    | N               | %    | N          | %    |
| Total   | 26                  | 25%  | 75                   | 27%  | 179             | 30%  | 1332       | 33%  |
| Women   | 8                   | 31%  | 31                   | 41%  | 85              | 47%  | 741        | 56%  |
| Men   | 18                  | 69%  | 44                   | 59%  | 94              | 53%  | 591        | 44%  |
| African American                                | 2                   | 8%   | 3                    | 4%   | 5               | 3%   | 43         | 3%   |
| American Indian                                 | 0                   | 0%   | 2                    | 3%   | 5               | 3%   | 14         | 1%   |
| Asian American                                  | 2                   | 8%   | 8                    | 11%  | 22              | 12%  | 210        | 16%  |
| Caucasian                                       | 14                  | 54%  | 43                   | 57%  | 102             | 57%  | 717        | 54%  |
| Hawaiian/Pacific Islander                       | 0                   | 0%   | 0                    | 0%   | 1               | 1%   | 8          | 1%   |
| Hispanic/Latino                                 | 0                   | 0%   | 0                    | 0%   | 7               | 4%   | 70         | 5%   |
| Other/Not Indicated                             | 8                   | 31%  | 19                   | 25%  | 37              | 21%  | 270        | 20%  |
| International                                   | 5                   | 19%  | 16                   | 21%  | 32              | 18%  | 244        | 18%  |
| <b>Current Status</b>                           |                     |      |                      |      |                 |      |            |      |
|   | N                   | %    | N                    | %    | N               | %    | N          | %    |
| Employed for pay full time                      | 20                  | 77%  | 48                   | 64%  | 100             | 56%  | 988        | 74%  |
| Employed for pay part time                      | 1                   | 4%   | 2                    | 3%   | 20              | 11%  | 81         | 6%   |
| Participating in a volunteer or service program | 0                   | 0%   | 0                    | 0%   | 1               | 1%   | 5          | 0%   |
| Serving in the U.S. military                    | 0                   | 0%   | 0                    | 0%   | 1               | 1%   | 14         | 1%   |
| Enrolled in a program of continuing education   | 5                   | 19%  | 22                   | 29%  | 34              | 19%  | 108        | 8%   |
| Planning to continue education                  | 0                   | 0%   | 0                    | 0%   | 0               | 0%   | 4          | 0%   |
| Seeking employment                              | 0                   | 0%   | 3                    | 4%   | 19              | 11%  | 97         | 7%   |
| Not seeking employment or continuing education  | 0                   | 0%   | 0                    | 0%   | 0               | 0%   | 9          | 1%   |
| Other   | 0                   | 0%   | 0                    | 0%   | 4               | 2%   | 26         | 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 | 17 | 85% | 41 | 87% | 89 | 78% | 925 | 89% |
| Entrepreneur/self-employed                     | 1  | 5%  | 2  | 4%  | 4  | 4%  | 9   | 1%  |
| Temporary/contract work assignment             | 0  | 0%  | 0  | 0%  | 6  | 5%  | 47  | 5%  |
| Freelance                                      | 0  | 0%  | 0  | 0%  | 4  | 4%  | 5   | 0%  |
| Postgraduate internship or fellowship          | 0  | 0%  | 2  | 4%  | 2  | 2%  | 18  | 2%  |
| Faculty tenure track position                  | 0  | 0%  | 0  | 0%  | 2  | 2%  | 6   | 1%  |
| Faculty non-tenure track position              | 0  | 0%  | 0  | 0%  | 1  | 1%  | 16  | 2%  |
| Other  | 2  | 10% | 2  | 4%  | 6  | 5%  | 14  | 1%  |

**Career related**

|     | N  | %   | N  | %   | N  | %   | N   | %   |
|-----|----|-----|----|-----|----|-----|-----|-----|
| Yes | 18 | 90% | 44 | 94% | 98 | 85% | 980 | 94% |
| No  | 2  | 10% | 3  | 6%  | 17 | 15% | 58  | 6%  |

**Job location**

|                                  | N | %   | N  | %   | N  | %   | N   | %   |
|----------------------------------|---|-----|----|-----|----|-----|-----|-----|
| King, Pierce, Snohomish counties | 8 | 42% | 29 | 63% | 75 | 66% | 726 | 70% |
| Other Washington                 | 0 | 0%  | 0  | 0%  | 0  | 0%  | 36  | 3%  |
| Alaska, Idaho, Oregon            | 0 | 0%  | 1  | 2%  | 3  | 3%  | 25  | 2%  |
| California, Hawaii               | 1 | 5%  | 4  | 9%  | 6  | 5%  | 69  | 7%  |
| Mountain states                  | 0 | 0%  | 0  | 0%  | 5  | 4%  | 21  | 2%  |
| Central states                   | 5 | 26% | 5  | 11% | 7  | 6%  | 32  | 3%  |
| Eastern states                   | 3 | 16% | 3  | 7%  | 7  | 6%  | 67  | 6%  |
| International                    | 2 | 11% | 4  | 9%  | 11 | 10% | 57  | 6%  |

**Type of employer**

|                    | N  | %   | N  | %   | N  | %   | N   | %   |
|--------------------|----|-----|----|-----|----|-----|-----|-----|
| For-profit company | 13 | 76% | 25 | 58% | 55 | 55% | 539 | 54% |
| Non-profit/NGO     | 1  | 6%  | 6  | 14% | 14 | 14% | 150 | 15% |
| Government         | 2  | 12% | 10 | 23% | 25 | 25% | 282 | 28% |
| Other              | 1  | 6%  | 2  | 5%  | 6  | 6%  | 20  | 2%  |

**Search time (weeks)**

|       | N    | 7    | 27   | 54   | 550 |
|-------|------|------|------|------|-----|
| Mean  | 7.9  | 8.4  | 11.6 | 10.9 |     |
| SD    | 6    | 9    | 11   | 10   |     |
| Range | 1 18 | 1 50 | 0 52 | 0 52 |     |

**Salary**

|       | N              | 13             | 35             | 73             | 761 |
|-------|----------------|----------------|----------------|----------------|-----|
| Mean  | 117,972        | 86,426         | 77,707         | 84,446         |     |
| SD    | 89,396         | 63,088         | 53,213         | 43,568         |     |
| Range | 35,000 400,000 | 31,000 400,000 | 13,414 400,000 | 10,000 450,000 |     |

**First year bonus**

|       | N          | 4           | 9           | 15          | 175 |
|-------|------------|-------------|-------------|-------------|-----|
| Mean  | 11,063     | 27,583      | 22,843      | 22,695      |     |
| SD    | 10,592     | 57,629      | 44,856      | 25,209      |     |
| Range | 250 24,000 | 250 180,000 | 250 180,000 | 250 180,000 |     |

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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% | 1 | 100% | 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%   | 1 | 25% |
| 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% | 1 | 100% | 4 | 31% |
| Army         | 0 | 0% | 0 | 0% | 0 | 0%   | 4 | 31% |
| Coast Guard  | 0 | 0% | 0 | 0% | 0 | 0%   | 0 | 0%  |
| Marine Corps | 0 | 0% | 0 | 0% | 0 | 0%   | 1 | 8%  |
| Navy         | 0 | 0% | 0 | 0% | 0 | 0%   | 4 | 31% |

**Status**

|                | N | %  | N | %  | N | %    | N  | %   |
|----------------|---|----|---|----|---|------|----|-----|
| Active duty    | 0 | 0% | 0 | 0% | 0 | 0%   | 13 | 93% |
| Reserve        | 0 | 0% | 0 | 0% | 0 | 0%   | 0  | 0%  |
| National Guard | 0 | 0% | 0 | 0% | 1 | 100% | 1  | 7%  |

**Enrolled in Educational Program****Degree program**

|  | N | %   | N  | %   | N  | %   | N  | %   |
|--|---|-----|----|-----|----|-----|----|-----|
| 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 | 20% | 1  | 5%  | 1  | 3%  | 9  | 9%  |
| Masters (MA/MS) – leading to doctorate | 0 | 0%  | 0  | 0%  | 0  | 0%  | 2  | 2%  |
| Doctorate (PhD/EdD)                    | 4 | 80% | 20 | 95% | 32 | 97% | 87 | 86% |
| Professional (JD, MD, DDS, PharmD)     | 0 | 0%  | 0  | 0%  | 0  | 0%  | 2  | 2%  |
| Other                                  | 0 | 0%  | 0  | 0%  | 0  | 0%  | 0  | 0%  |

**School location**

|                                  | N | %   | N  | %   | N  | %   | N  | %   |
|----------------------------------|---|-----|----|-----|----|-----|----|-----|
| King, Pierce, Snohomish counties | 3 | 60% | 17 | 85% | 24 | 77% | 75 | 77% |
| 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  | 5%  | 3  | 10% | 4  | 4%  |
| Mountain states                  | 0 | 0%  | 0  | 0%  | 0  | 0%  | 2  | 2%  |
| Central states                   | 0 | 0%  | 0  | 0%  | 0  | 0%  | 2  | 2%  |
| Eastern states                   | 1 | 20% | 1  | 5%  | 3  | 10% | 12 | 12% |
| International                    | 1 | 20% | 1  | 5%  | 1  | 3%  | 3  | 3%  |

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

|     | N  | %   | N  | %   | N   | %   | N    | %   |
|-----|----|-----|----|-----|-----|-----|------|-----|
| Yes | 22 | 88% | 57 | 83% | 142 | 84% | 1054 | 84% |
| No  | 3  | 12% | 12 | 17% | 28  | 16% | 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                                     | 23 | 3.6  | 61 | 3.6  | 160 | 3.6  | 1177 | 3.4  |
| Writing effectively  | 23 | 2.7  | 61 | 3.0  | 161 | 3.1  | 1174 | 3.0  |
| Speaking effectively about ideas, projects, and plans                                      | 23 | 2.4  | 61 | 2.8  | 161 | 3.0  | 1173 | 3.0  |
| Critically analyzing the research, technical literature, and/or performance in your field  | 23 | 3.2  | 61 | 3.3  | 161 | 3.3  | 1174 | 3.3  |
| Identifying important questions in your field  | 23 | 3.0  | 61 | 3.2  | 161 | 3.3  | 1175 | 3.3  |
| Identifying and using the best methods for answering specific questions in your field      | 23 | 3.2  | 61 | 3.3  | 161 | 3.2  | 1174 | 3.2  |
| Knowing how to generate original/creative ideas, solutions, and research directions        | 23 | 3.0  | 61 | 3.1  | 161 | 3.2  | 1174 | 3.1  |
| Knowing how to put research ideas into practice in your field                              | 23 | 2.9  | 61 | 3.0  | 160 | 3.1  | 1172 | 3.0  |
| Understanding ethics and ethical practice in your field                                    | 23 | 2.5  | 61 | 2.8  | 161 | 3.0  | 1173 | 3.1  |
| Understanding, evaluating, and using the quantitative methods relevant to your field       | 23 | 3.7  | 61 | 3.5  | 160 | 3.1  | 1170 | 3.1  |
| Mastering specialized instruments, computer programs, or materials important to your field | 23 | 3.4  | 61 | 3.1  | 161 | 2.8  | 1173 | 2.7  |
| Learning independently   | 23 | 3.6  | 61 | 3.6  | 161 | 3.5  | 1168 | 3.3  |
| Working collaboratively with others within your field                                      | 23 | 2.8  | 61 | 3.1  | 160 | 3.2  | 1170 | 3.3  |
| Working collaboratively with interdisciplinary groups                                      | 23 | 2.3  | 61 | 2.6  | 161 | 2.8  | 1170 | 3.0  |
| Understanding and valuing diverse people and cultures                                      | 23 | 2.4  | 61 | 2.7  | 161 | 3.1  | 1172 | 3.2  |
| Using self-reflection and self-assessment to guide next directions                         | 23 | 2.6  | 61 | 2.9  | 161 | 3.0  | 1173 | 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                                     | 23 | 3.6  | 59 | 3.7  | 151 | 3.6  | 1116 | 3.6  |
| Writing effectively  | 23 | 3.5  | 59 | 3.4  | 151 | 3.4  | 1109 | 3.4  |
| Speaking effectively about ideas, projects, and plans                                      | 23 | 3.4  | 59 | 3.5  | 151 | 3.5  | 1110 | 3.5  |
| Critically analyzing the research, technical literature, and/or performance in your field  | 23 | 3.6  | 59 | 3.6  | 151 | 3.4  | 1108 | 3.3  |
| Identifying important questions in your field  | 23 | 3.5  | 59 | 3.6  | 151 | 3.5  | 1108 | 3.4  |
| Identifying and using the best methods for answering specific questions in your field      | 23 | 3.5  | 59 | 3.6  | 151 | 3.6  | 1111 | 3.5  |
| Knowing how to generate original/creative ideas, solutions, and research directions        | 22 | 3.5  | 58 | 3.6  | 150 | 3.6  | 1109 | 3.4  |
| Knowing how to put research ideas into practice in your field                              | 23 | 3.3  | 59 | 3.6  | 151 | 3.5  | 1110 | 3.3  |
| Understanding ethics and ethical practice in your field                                    | 23 | 2.9  | 59 | 3.2  | 151 | 3.3  | 1110 | 3.4  |
| Understanding, evaluating, and using the quantitative methods relevant to your field       | 23 | 3.5  | 59 | 3.6  | 150 | 3.4  | 1108 | 3.3  |
| Mastering specialized instruments, computer programs, or materials important to your field | 23 | 3.3  | 59 | 3.4  | 151 | 3.3  | 1110 | 3.2  |
| Learning independently   | 23 | 3.4  | 59 | 3.6  | 150 | 3.5  | 1103 | 3.5  |
| Working collaboratively with others within your field                                      | 23 | 3.3  | 59 | 3.5  | 150 | 3.6  | 1109 | 3.7  |
| Working collaboratively with interdisciplinary groups                                      | 23 | 3.2  | 59 | 3.4  | 150 | 3.5  | 1110 | 3.6  |
| Understanding and valuing diverse people and cultures                                      | 23 | 3.1  | 58 | 3.2  | 149 | 3.5  | 1105 | 3.5  |
| Using self-reflection and self-assessment to guide next directions                         | 23 | 3.2  | 59 | 3.3  | 150 | 3.4  | 1110 | 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 | 19 | 3.1  | 53 | 2.9  | 145 | 3.0  | 1039 | 3.0  |
| The help you received from graduate student colleagues  | 22 | 3.1  | 58 | 3.2  | 153 | 3.2  | 1131 | 3.2  |
| The help you received navigating the job market   | 22 | 2.2  | 57 | 2.3  | 151 | 2.3  | 1118 | 2.3  |
| Your overall learning experience at the UW  | 22 | 3.4  | 60 | 3.4  | 154 | 3.3  | 1138 | 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.                | 22 | 3.7  | 60 | 3.5  | 155 | 3.6  | 1135 | 3.5  |
| Students in my major treated each other respectfully - regardless of race, gender, ethnicity, sexuality, and country of origin. | 22 | 3.6  | 59 | 3.6  | 154 | 3.7  | 1137 | 3.5  |
| Classrooms, labs, and other campus spaces were accessible.  | 21 | 3.4  | 58 | 3.5  | 152 | 3.5  | 1128 | 3.4  |
| If I had to make my college choice over again, I would choose to attend UW.   | 22 | 3.4  | 60 | 3.4  | 155 | 3.3  | 1138 | 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? | 21 | 3.5  | 58 | 3.3  | 150 | 3.3  | 1130 | 3.3  |

## Current activity roster

### Employed Full Time or Part time

| Job title                                      | Employing organization        |
|--|-------------------------------|
| Aerospace Engineer                             | Boeing                        |
| Senior Engineer, R&D                           | Aspen Technology, Inc.        |
| Math Teacher (High School)                     | School District of New Berlin |
| Graduate Research Assistant                    |                               |
| Quantitative Risk Analyst                      | KeyBank                       |
| Director of Investment                         |                               |
| Quantitative Analyst                           |                               |
| Engineering Manager                            | Two Sigma Investments         |
| Associate director                             |                               |
| PhD Student                                    |                               |
| Quality Engineer 4                             | Boeing                        |
| Management Analyst                             |                               |
| Research Assistant at University of Washington | University of Washington      |
| Senior Analyst                                 | Invesco                       |
| Data scientist II                              |                               |
| Risk Analyst                                   | IMC Financial Markets         |
| Risk Officer                                   | Wells Fargo                   |
| Business Analyst                               | Riverside Technologies        |

### Enrolled in Educational Program

| Program of study             | Institution                       |
|------------------------------|-----------------------------------|
| Aeronautics and Astronautics | University of Washington          |
|                              | Chalmers University of Technology |
| Applied math                 | University of Washington          |
| PhD Applied Mathematics UW   | University of Washington          |
| Neuroscience                 | Boston University                 |