

## UW Alumni Survey Results 2015-2016 DOCTORAL/PROFESSIONAL Degree Recipients

Chemistry                      A&S Natural Sciences                      Arts & Sciences                      UW Seattle

| <b>Graduates Surveyed</b>                       |    |      |     |      |     |      |      |      |
|---|----|------|-----|------|-----|------|------|------|
|   | N  | %    | N   | %    | N   | %    | N    | %    |
| Total   | 24 | 100% | 126 | 100% | 243 | 100% | 1294 | 100% |
| Women   | 8  | 33%  | 61  | 48%  | 129 | 53%  | 707  | 55%  |
| Men   | 16 | 67%  | 65  | 52%  | 114 | 47%  | 587  | 45%  |
| African American                                | 1  | 4%   | 5   | 4%   | 7   | 3%   | 33   | 3%   |
| American Indian                                 | 0  | 0%   | 0   | 0%   | 1   | 0%   | 15   | 1%   |
| Asian American                                  | 2  | 8%   | 11  | 9%   | 16  | 7%   | 189  | 15%  |
| Caucasian                                       | 14 | 58%  | 72  | 57%  | 133 | 55%  | 759  | 59%  |
| Hawaiian/Pacific Islander                       | 0  | 0%   | 1   | 1%   | 2   | 1%   | 7    | 1%   |
| Hispanic/Latino                                 | 1  | 4%   | 2   | 2%   | 7   | 3%   | 71   | 5%   |
| Other/Not Indicated                             | 6  | 25%  | 35  | 28%  | 77  | 32%  | 220  | 17%  |
| International                                   | 5  | 21%  | 21  | 17%  | 48  | 20%  | 137  | 11%  |
| <b>Survey Response Rates</b>                    |    |      |     |      |     |      |      |      |
|   | N  | %    | N   | %    | N   | %    | N    | %    |
| Total   | 14 | 58%  | 69  | 55%  | 120 | 49%  | 510  | 39%  |
| Women   | 5  | 36%  | 33  | 48%  | 63  | 53%  | 299  | 59%  |
| Men   | 9  | 64%  | 36  | 52%  | 57  | 48%  | 211  | 41%  |
| African American                                | 1  | 7%   | 2   | 3%   | 3   | 3%   | 13   | 3%   |
| American Indian                                 | 0  | 0%   | 0   | 0%   | 0   | 0%   | 7    | 1%   |
| Asian American                                  | 1  | 7%   | 6   | 9%   | 8   | 7%   | 56   | 11%  |
| Caucasian                                       | 8  | 57%  | 39  | 57%  | 68  | 57%  | 318  | 62%  |
| Hawaiian/Pacific Islander                       | 0  | 0%   | 1   | 1%   | 1   | 1%   | 2    | 0%   |
| Hispanic/Latino                                 | 1  | 7%   | 2   | 3%   | 5   | 4%   | 28   | 5%   |
| Other/Not Indicated                             | 3  | 21%  | 19  | 28%  | 35  | 29%  | 86   | 17%  |
| International                                   | 3  | 21%  | 11  | 16%  | 24  | 20%  | 55   | 11%  |
| <b>Current Status</b>                           |    |      |     |      |     |      |      |      |
|   | N  | %    | N   | %    | N   | %    | N    | %    |
| Employed for pay full time                      | 10 | 71%  | 57  | 83%  | 88  | 73%  | 410  | 80%  |
| Employed for pay part time                      | 0  | 0%   | 3   | 4%   | 15  | 13%  | 37   | 7%   |
| Participating in a volunteer or service program | 0  | 0%   | 0   | 0%   | 0   | 0%   | 0    | 0%   |
| Serving in the U.S. military                    | 0  | 0%   | 0   | 0%   | 0   | 0%   | 3    | 1%   |
| Enrolled in a program of continuing education   | 0  | 0%   | 0   | 0%   | 1   | 1%   | 16   | 3%   |
| Planning to continue education                  | 0  | 0%   | 0   | 0%   | 0   | 0%   | 0    | 0%   |
| Seeking employment                              | 3  | 21%  | 7   | 10%  | 12  | 10%  | 25   | 5%   |
| Not seeking employment or continuing education  | 0  | 0%   | 1   | 1%   | 1   | 1%   | 1    | 0%   |
| Other   | 1  | 7%   | 1   | 1%   | 3   | 3%   | 18   | 4%   |

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**Employed Full Time or Part time****Type of employment**

|  | N | %   | N  | %   | N  | %   | N   | %   |
|--|---|-----|----|-----|----|-----|-----|-----|
| Employee working for a company or organization | 6 | 67% | 24 | 42% | 42 | 42% | 212 | 49% |
| Entrepreneur/self-employed                     | 0 | 0%  | 0  | 0%  | 0  | 0%  | 6   | 1%  |
| Temporary/contract work assignment             | 0 | 0%  | 3  | 5%  | 5  | 5%  | 16  | 4%  |
| Freelance                                      | 0 | 0%  | 0  | 0%  | 2  | 2%  | 4   | 1%  |
| Postgraduate internship or fellowship          | 0 | 0%  | 22 | 39% | 29 | 29% | 143 | 33% |
| Faculty tenure track position                  | 0 | 0%  | 1  | 2%  | 7  | 7%  | 23  | 5%  |
| Faculty non-tenure track position              | 2 | 22% | 6  | 11% | 13 | 13% | 22  | 5%  |
| Other  | 1 | 11% | 1  | 2%  | 1  | 1%  | 10  | 2%  |

**Career related**

|     | N | %   | N  | %   | N  | %   | N   | %   |
|-----|---|-----|----|-----|----|-----|-----|-----|
| Yes | 8 | 89% | 55 | 96% | 93 | 94% | 424 | 97% |
| No  | 1 | 11% | 2  | 4%  | 6  | 6%  | 12  | 3%  |

**Job location**

|                                  | N | %   | N  | %   | N  | %   | N   | %   |
|----------------------------------|---|-----|----|-----|----|-----|-----|-----|
| King, Pierce, Snohomish counties | 3 | 33% | 20 | 35% | 35 | 36% | 200 | 46% |
| Other Washington                 | 2 | 22% | 5  | 9%  | 5  | 5%  | 29  | 7%  |
| Alaska, Idaho, Oregon            | 1 | 11% | 1  | 2%  | 3  | 3%  | 31  | 7%  |
| California, Hawaii               | 0 | 0%  | 10 | 18% | 15 | 15% | 47  | 11% |
| Mountain states                  | 1 | 11% | 2  | 4%  | 4  | 4%  | 22  | 5%  |
| Central states                   | 0 | 0%  | 4  | 7%  | 8  | 8%  | 29  | 7%  |
| Eastern states                   | 2 | 22% | 13 | 23% | 19 | 19% | 51  | 12% |
| International                    | 0 | 0%  | 2  | 4%  | 9  | 9%  | 24  | 6%  |

**Type of employer**

|                | N | %   | N  | %   | N  | %   | N   | %   |
|----------------|---|-----|----|-----|----|-----|-----|-----|
| Private        | 5 | 63% | 22 | 39% | 37 | 39% | 148 | 36% |
| Non-profit/NGO | 0 | 0%  | 4  | 7%  | 9  | 9%  | 76  | 18% |
| Government     | 3 | 38% | 28 | 50% | 48 | 50% | 171 | 42% |
| Other          | 0 | 0%  | 2  | 4%  | 2  | 2%  | 16  | 4%  |

**Search time (weeks)**

|       | N    |  | N    |  | N    |  | N    |  |
|-------|------|--|------|--|------|--|------|--|
|       | 8    |  | 48   |  | 70   |  | 301  |  |
| Mean  | 11.9 |  | 9.5  |  | 10.4 |  | 10.2 |  |
| SD    | 5    |  | 8    |  | 9    |  | 11   |  |
| Range | 6 20 |  | 0 40 |  | 0 40 |  | 0 52 |  |

**Salary**

|       | N              |  | N              |  | N              |  | N              |  |
|-------|----------------|--|----------------|--|----------------|--|----------------|--|
|       | 6              |  | 24             |  | 41             |  | 189            |  |
| Mean  | 96,167         |  | 95,979         |  | 89,584         |  | 88,503         |  |
| SD    | 28,209         |  | 26,921         |  | 33,662         |  | 33,455         |  |
| Range | 47,000 125,000 |  | 47,000 135,000 |  | 30,000 150,000 |  | 30,000 250,000 |  |

**First year bonus**

|       | N             |  | N            |  | N            |  | N          |  |
|-------|---------------|--|--------------|--|--------------|--|------------|--|
|       | 2             |  | 7            |  | 11           |  | 40         |  |
| Mean  | 13,000        |  | 10,486       |  | 13,491       |  | 11,999     |  |
| SD    | 2,828         |  | 5,464        |  | 10,108       |  | 12,501     |  |
| Range | 11,000 15,000 |  | 5,000 17,400 |  | 5,000 40,000 |  | 700 72,000 |  |

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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% | 0 | 0% | 0 | 0% |
| 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% | 0 | 0% | 0 | 0% |

**Serving in the US Military****Service branch**

|              | N | %  | N | %  | N | %  | N | %   |
|--------------|---|----|---|----|---|----|---|-----|
| Air Force    | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 50% |
| Army         | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0%  |
| 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% | 0 | 0% | 1 | 50% |

**Status**

|                | N | %  | N | %  | N | %  | N | %    |
|----------------|---|----|---|----|---|----|---|------|
| Active duty    | 0 | 0% | 0 | 0% | 0 | 0% | 2 | 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% | 0 | 0%   | 3 | 19% |
| 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% | 0 | 0%   | 2 | 13% |
| Masters (MA/MS) – leading to doctorate | 0 | 0% | 0 | 0% | 0 | 0%   | 0 | 0%  |
| Doctorate (PhD/EdD)                    | 0 | 0% | 0 | 0% | 1 | 100% | 1 | 6%  |
| Professional (JD, MD, DDS, PharmD)     | 0 | 0% | 0 | 0% | 0 | 0%   | 5 | 31% |
| Other                                  | 0 | 0% | 0 | 0% | 0 | 0%   | 0 | 0%  |

**School location**

|                                  | N | %  | N | %  | N | %    | N | %   |
|----------------------------------|---|----|---|----|---|------|---|-----|
| King, Pierce, Snohomish counties | 0 | 0% | 0 | 0% | 0 | 0%   | 9 | 60% |
| Other Washington                 | 0 | 0% | 0 | 0% | 1 | 100% | 2 | 13% |
| Alaska, Idaho, Oregon            | 0 | 0% | 0 | 0% | 0 | 0%   | 0 | 0%  |
| California, Hawaii               | 0 | 0% | 0 | 0% | 0 | 0%   | 2 | 13% |
| Mountain states                  | 0 | 0% | 0 | 0% | 0 | 0%   | 1 | 7%  |
| 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%   | 1 | 7%  |

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

|     | N  | %   | N  | %   | N  | %   | N   | %   |
|-----|----|-----|----|-----|----|-----|-----|-----|
| Yes | 11 | 85% | 58 | 89% | 95 | 83% | 441 | 91% |
| No  | 2  | 15% | 7  | 11% | 19 | 17% | 41  | 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 your chosen field of study                                     | 12 | 3.6  | 65 | 3.8  | 112 | 3.8  | 457 | 3.7  |
| Writing effectively  | 12 | 2.9  | 65 | 3.4  | 112 | 3.5  | 456 | 3.4  |
| Speaking effectively about ideas, projects, and plans                                      | 12 | 2.8  | 65 | 3.3  | 112 | 3.3  | 457 | 3.3  |
| Critically analyzing the research, technical literature, and/or performance in your field  | 12 | 3.7  | 64 | 3.7  | 111 | 3.7  | 455 | 3.6  |
| Identifying important questions in your field  | 12 | 3.3  | 65 | 3.5  | 112 | 3.5  | 456 | 3.5  |
| Identifying and using the best methods for answering specific questions in your field      | 12 | 3.3  | 63 | 3.5  | 110 | 3.4  | 454 | 3.4  |
| Knowing how to generate original/creative ideas, solutions, and research directions        | 12 | 3.3  | 64 | 3.3  | 111 | 3.4  | 454 | 3.3  |
| Knowing how to put research ideas into practice in your field                              | 12 | 3.3  | 64 | 3.4  | 111 | 3.3  | 453 | 3.3  |
| Understanding ethics and ethical practice in your field                                    | 12 | 2.8  | 64 | 3.0  | 111 | 3.0  | 454 | 3.2  |
| Understanding, evaluating, and using the quantitative methods relevant to your field       | 12 | 3.3  | 64 | 3.4  | 110 | 3.1  | 451 | 3.2  |
| Mastering specialized instruments, computer programs, or materials important to your field | 12 | 3.3  | 64 | 3.2  | 111 | 2.9  | 452 | 3.1  |
| Learning independently   | 12 | 3.8  | 64 | 3.8  | 111 | 3.8  | 451 | 3.6  |
| Working collaboratively with others within your field                                      | 12 | 3.1  | 64 | 3.3  | 111 | 3.1  | 453 | 3.3  |
| Working collaboratively with interdisciplinary groups                                      | 12 | 2.6  | 64 | 2.8  | 111 | 2.7  | 452 | 3.0  |
| Understanding and valuing diverse people and cultures                                      | 12 | 2.8  | 64 | 2.9  | 110 | 3.1  | 452 | 3.1  |
| Using self-reflection and self-assessment to guide next directions                         | 12 | 2.8  | 64 | 3.0  | 111 | 3.1  | 452 | 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                                     | 11 | 2.9  | 60 | 3.4  | 105 | 3.5  | 439 | 3.7  |
| Writing effectively  | 11 | 3.3  | 60 | 3.5  | 105 | 3.5  | 437 | 3.6  |
| Speaking effectively about ideas, projects, and plans                                      | 11 | 3.7  | 60 | 3.6  | 105 | 3.6  | 436 | 3.7  |
| Critically analyzing the research, technical literature, and/or performance in your field  | 11 | 3.1  | 60 | 3.5  | 105 | 3.4  | 437 | 3.6  |
| Identifying important questions in your field  | 11 | 3.0  | 60 | 3.4  | 105 | 3.4  | 438 | 3.5  |
| Identifying and using the best methods for answering specific questions in your field      | 11 | 3.4  | 59 | 3.5  | 104 | 3.5  | 437 | 3.6  |
| Knowing how to generate original/creative ideas, solutions, and research directions        | 11 | 3.4  | 58 | 3.5  | 103 | 3.5  | 437 | 3.5  |
| Knowing how to put research ideas into practice in your field                              | 11 | 2.9  | 59 | 3.3  | 104 | 3.4  | 436 | 3.5  |
| Understanding ethics and ethical practice in your field                                    | 10 | 3.2  | 57 | 3.1  | 102 | 3.2  | 433 | 3.5  |
| Understanding, evaluating, and using the quantitative methods relevant to your field       | 11 | 3.5  | 59 | 3.4  | 104 | 3.1  | 436 | 3.3  |
| Mastering specialized instruments, computer programs, or materials important to your field | 11 | 3.5  | 58 | 3.2  | 103 | 3.1  | 436 | 3.3  |
| Learning independently   | 11 | 3.7  | 59 | 3.6  | 104 | 3.6  | 437 | 3.7  |
| Working collaboratively with others within your field                                      | 11 | 3.9  | 59 | 3.7  | 104 | 3.6  | 436 | 3.7  |
| Working collaboratively with interdisciplinary groups                                      | 11 | 3.8  | 59 | 3.3  | 104 | 3.3  | 434 | 3.5  |
| Understanding and valuing diverse people and cultures                                      | 11 | 3.5  | 59 | 3.1  | 104 | 3.4  | 436 | 3.5  |
| Using self-reflection and self-assessment to guide next directions                         | 11 | 3.5  | 59 | 3.3  | 104 | 3.4  | 436 | 3.5  |

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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 | 12 | 2.8  | 62 | 3.2  | 107 | 3.2  | 409 | 3.2  |
| The help you received from graduate student colleagues  | 12 | 3.3  | 62 | 3.4  | 107 | 3.3  | 443 | 3.3  |
| The help you received navigating the job market   | 12 | 2.0  | 61 | 2.3  | 105 | 2.3  | 440 | 2.4  |
| Your overall learning experience at the UW  | 12 | 2.9  | 62 | 3.5  | 107 | 3.5  | 445 | 3.4  |

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.                | 12 | 3.0  | 62 | 3.4  | 107 | 3.4  | 446 | 3.5  |
| Students in my major treated each other respectfully - regardless of race, gender, ethnicity, sexuality, and country of origin. | 12 | 3.3  | 62 | 3.6  | 107 | 3.6  | 447 | 3.6  |
| Classrooms, labs, and other campus spaces were accessible.  | 12 | 3.2  | 62 | 3.5  | 107 | 3.5  | 446 | 3.5  |
| If I had to make my college choice over again, I would choose to attend UW.   | 12 | 3.3  | 62 | 3.5  | 107 | 3.4  | 447 | 3.5  |

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? | 2 | 4.0  | 19 | 3.5  | 44 | 3.5  | 223 | 3.4  |

**Current activity roster****Employed Full Time or Part time**

| <b>Job title</b>                           | <b>Employing organization</b>         |
|--|---------------------------------------|
| Engineer                                   |                                       |
| Data Scientist                             | Microsoft                             |
|  | google                                |
| Postdoctoral Research associate            |                                       |
| Research Fellow                            | Boston Children's Hospital            |
| Full Time Lecturer                         |                                       |
| Faculty Instructor (General Chemistry Lab) |                                       |
| R&D Chemist                                | Agilent Technologies                  |
| postdoctoral fellow                        | Pacific Northwest National Laboratory |