

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

Materials Science College Of All Professional UW Seattle
And Engineering Engineering

| Graduates Surveyed | | | | | | | | |
|---------------------------|----|------|-----|------|------|------|------|------|
| | N | % | N | % | N | % | N | % |
| Total | 12 | 100% | 113 | 100% | 1051 | 100% | 1294 | 100% |
| Women | 3 | 25% | 26 | 23% | 578 | 55% | 707 | 55% |
| Men | 9 | 75% | 87 | 77% | 473 | 45% | 587 | 45% |
| African American | 0 | 0% | 3 | 3% | 26 | 2% | 33 | 3% |
| American Indian | 0 | 0% | 0 | 0% | 14 | 1% | 15 | 1% |
| Asian American | 0 | 0% | 9 | 8% | 173 | 16% | 189 | 15% |
| Caucasian | 6 | 50% | 42 | 37% | 626 | 60% | 759 | 59% |
| Hawaiian/Pacific Islander | 0 | 0% | 0 | 0% | 5 | 0% | 7 | 1% |
| Hispanic/Latino | 1 | 8% | 4 | 4% | 64 | 6% | 71 | 5% |
| Other/Not Indicated | 5 | 42% | 55 | 49% | 143 | 14% | 220 | 17% |
| International | 3 | 25% | 46 | 41% | 89 | 8% | 137 | 11% |

| Survey Response Rates | | | | | | | | |
|------------------------------|---|-----|----|-----|-----|-----|-----|-----|
| | N | % | N | % | N | % | N | % |
| Total | 6 | 50% | 46 | 41% | 390 | 37% | 510 | 39% |
| Women | 1 | 17% | 11 | 24% | 236 | 61% | 299 | 59% |
| Men | 5 | 83% | 35 | 76% | 154 | 39% | 211 | 41% |
| African American | 0 | 0% | 2 | 4% | 10 | 3% | 13 | 3% |
| American Indian | 0 | 0% | 0 | 0% | 7 | 2% | 7 | 1% |
| Asian American | 0 | 0% | 3 | 7% | 48 | 12% | 56 | 11% |
| Caucasian | 3 | 50% | 17 | 37% | 250 | 64% | 318 | 62% |
| Hawaiian/Pacific Islander | 0 | 0% | 0 | 0% | 1 | 0% | 2 | 0% |
| Hispanic/Latino | 1 | 17% | 2 | 4% | 23 | 6% | 28 | 5% |
| Other/Not Indicated | 2 | 33% | 22 | 48% | 51 | 13% | 86 | 17% |
| International | 1 | 17% | 15 | 33% | 31 | 8% | 55 | 11% |

| Current Status | | | | | | | | |
|---|---|-----|----|-----|-----|-----|-----|-----|
| | N | % | N | % | N | % | N | % |
| Employed for pay full time | 5 | 83% | 39 | 85% | 322 | 83% | 410 | 80% |
| Employed for pay part time | 0 | 0% | 2 | 4% | 22 | 6% | 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% | 3 | 1% | 3 | 1% |
| Enrolled in a program of continuing education | 0 | 0% | 1 | 2% | 15 | 4% | 16 | 3% |
| Planning to continue education | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| Seeking employment | 0 | 0% | 2 | 4% | 13 | 3% | 25 | 5% |
| Not seeking employment or continuing education | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 0% |
| Other | 1 | 17% | 2 | 4% | 15 | 4% | 18 | 4% |

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

| | N | % | N | % | N | % | N | % |
|--|---|-----|----|-----|-----|-----|-----|-----|
| Employee working for a company or organization | 3 | 60% | 24 | 59% | 170 | 50% | 212 | 49% |
| Entrepreneur/self-employed | 0 | 0% | 3 | 7% | 6 | 2% | 6 | 1% |
| Temporary/contract work assignment | 0 | 0% | 2 | 5% | 11 | 3% | 16 | 4% |
| Freelance | 0 | 0% | 0 | 0% | 2 | 1% | 4 | 1% |
| Postgraduate internship or fellowship | 2 | 40% | 8 | 20% | 114 | 34% | 143 | 33% |
| Faculty tenure track position | 0 | 0% | 3 | 7% | 16 | 5% | 23 | 5% |
| Faculty non-tenure track position | 0 | 0% | 0 | 0% | 9 | 3% | 22 | 5% |
| Other | 0 | 0% | 1 | 2% | 9 | 3% | 10 | 2% |

Career related

| | N | % | N | % | N | % | N | % |
|-----|---|------|----|------|-----|-----|-----|-----|
| Yes | 5 | 100% | 41 | 100% | 331 | 98% | 424 | 97% |
| No | 0 | 0% | 0 | 0% | 6 | 2% | 12 | 3% |

Job location

| | N | % | N | % | N | % | N | % |
|----------------------------------|---|-----|----|-----|-----|-----|-----|-----|
| King, Pierce, Snohomish counties | 1 | 20% | 22 | 54% | 165 | 49% | 200 | 46% |
| Other Washington | 0 | 0% | 0 | 0% | 24 | 7% | 29 | 7% |
| Alaska, Idaho, Oregon | 1 | 20% | 4 | 10% | 28 | 8% | 31 | 7% |
| California, Hawaii | 1 | 20% | 5 | 12% | 32 | 10% | 47 | 11% |
| Mountain states | 1 | 20% | 1 | 2% | 18 | 5% | 22 | 5% |
| Central states | 0 | 0% | 1 | 2% | 21 | 6% | 29 | 7% |
| Eastern states | 0 | 0% | 4 | 10% | 32 | 10% | 51 | 12% |
| International | 1 | 20% | 4 | 10% | 15 | 4% | 24 | 6% |

Type of employer

| | N | % | N | % | N | % | N | % |
|----------------|---|-----|----|-----|-----|-----|-----|-----|
| Private | 3 | 60% | 22 | 61% | 111 | 35% | 148 | 36% |
| Non-profit/NGO | 1 | 20% | 2 | 6% | 67 | 21% | 76 | 18% |
| Government | 1 | 20% | 9 | 25% | 123 | 39% | 171 | 42% |
| Other | 0 | 0% | 3 | 8% | 14 | 4% | 16 | 4% |

Search time (weeks)

| | N | | N | | N | | N | |
|-------|------|--|------|--|------|--|------|--|
| | 4 | | 30 | | 231 | | 301 | |
| Mean | 11.0 | | 12.4 | | 10.2 | | 10.2 | |
| SD | 8 | | 10 | | 11 | | 11 | |
| Range | 3 20 | | 1 48 | | 0 52 | | 0 52 | |

Salary

| | N | | N | | N | | N | |
|-------|-----------------|--|----------------|--|----------------|--|----------------|--|
| | 3 | | 23 | | 148 | | 189 | |
| Mean | 118,333 | | 110,726 | | 88,204 | | 88,503 | |
| SD | 9,074 | | 28,561 | | 33,507 | | 33,455 | |
| Range | 110,000 128,000 | | 54,000 165,000 | | 33,000 250,000 | | 30,000 250,000 | |

First year bonus

| | N | | N | | N | | N | |
|-------|-------------|--|--------------|--|------------|--|------------|--|
| | 1 | | 6 | | 29 | | 40 | |
| Mean | 9,000 | | 23,700 | | 11,432 | | 11,999 | |
| SD | | | 25,085 | | 13,415 | | 12,501 | |
| Range | 9,000 9,000 | | 1,200 72,000 | | 700 72,000 | | 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% | 1 | 50% | 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% | 1 | 50% | 1 | 50% |

Status

| | N | % | N | % | N | % | N | % |
|----------------|---|----|---|----|---|------|---|------|
| Active duty | 0 | 0% | 0 | 0% | 2 | 100% | 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% | 3 | 20% | 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% | 2 | 13% | 2 | 13% |
| Masters (MA/MS) – leading to doctorate | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| Doctorate (PhD/EdD) | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 6% |
| Professional (JD, MD, DDS, PharmD) | 0 | 0% | 1 | 100% | 5 | 33% | 5 | 31% |
| Other | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |

School location

| | N | % | N | % | N | % | N | % |
|----------------------------------|---|----|---|------|---|-----|---|-----|
| King, Pierce, Snohomish counties | 0 | 0% | 1 | 100% | 9 | 64% | 9 | 60% |
| Other Washington | 0 | 0% | 0 | 0% | 1 | 7% | 2 | 13% |
| Alaska, Idaho, Oregon | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| California, Hawaii | 0 | 0% | 0 | 0% | 2 | 14% | 2 | 13% |
| Mountain states | 0 | 0% | 0 | 0% | 1 | 7% | 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% | 1 | 7% | 1 | 7% |

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

| | N | % | N | % | N | % | N | % |
|-----|---|-----|----|-----|-----|-----|-----|-----|
| Yes | 5 | 83% | 33 | 75% | 346 | 94% | 441 | 91% |
| No | 1 | 17% | 11 | 25% | 22 | 6% | 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 | 6 | 3.0 | 41 | 3.6 | 345 | 3.7 | 457 | 3.7 |
| Writing effectively | 6 | 2.7 | 41 | 3.4 | 344 | 3.4 | 456 | 3.4 |
| Speaking effectively about ideas, projects, and plans | 6 | 2.8 | 41 | 3.4 | 345 | 3.3 | 457 | 3.3 |
| Critically analyzing the research, technical literature, and/or performance in your field | 6 | 3.0 | 41 | 3.6 | 344 | 3.6 | 455 | 3.6 |
| Identifying important questions in your field | 6 | 3.0 | 40 | 3.4 | 344 | 3.5 | 456 | 3.5 |
| Identifying and using the best methods for answering specific questions in your field | 6 | 2.7 | 41 | 3.3 | 344 | 3.4 | 454 | 3.4 |
| Knowing how to generate original/creative ideas, solutions, and research directions | 6 | 2.5 | 40 | 3.5 | 343 | 3.2 | 454 | 3.3 |
| Knowing how to put research ideas into practice in your field | 6 | 2.3 | 41 | 3.3 | 342 | 3.2 | 453 | 3.3 |
| Understanding ethics and ethical practice in your field | 6 | 2.2 | 41 | 2.8 | 343 | 3.3 | 454 | 3.2 |
| Understanding, evaluating, and using the quantitative methods relevant to your field | 6 | 2.7 | 39 | 3.3 | 341 | 3.2 | 451 | 3.2 |
| Mastering specialized instruments, computer programs, or materials important to your field | 6 | 3.2 | 39 | 3.4 | 341 | 3.1 | 452 | 3.1 |
| Learning independently | 6 | 3.3 | 39 | 3.8 | 340 | 3.5 | 451 | 3.6 |
| Working collaboratively with others within your field | 6 | 2.8 | 40 | 3.2 | 342 | 3.3 | 453 | 3.3 |
| Working collaboratively with interdisciplinary groups | 6 | 3.2 | 40 | 2.9 | 341 | 3.0 | 452 | 3.0 |
| Understanding and valuing diverse people and cultures | 6 | 2.7 | 40 | 2.8 | 342 | 3.1 | 452 | 3.1 |
| Using self-reflection and self-assessment to guide next directions | 6 | 2.8 | 40 | 3.1 | 341 | 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 | 5 | 4.0 | 40 | 3.7 | 334 | 3.8 | 439 | 3.7 |
| Writing effectively | 5 | 4.0 | 40 | 3.6 | 332 | 3.6 | 437 | 3.6 |
| Speaking effectively about ideas, projects, and plans | 5 | 3.6 | 39 | 3.7 | 331 | 3.7 | 436 | 3.7 |
| Critically analyzing the research, technical literature, and/or performance in your field | 5 | 3.6 | 39 | 3.6 | 332 | 3.7 | 437 | 3.6 |
| Identifying important questions in your field | 5 | 3.6 | 40 | 3.4 | 333 | 3.6 | 438 | 3.5 |
| Identifying and using the best methods for answering specific questions in your field | 5 | 3.8 | 40 | 3.6 | 333 | 3.6 | 437 | 3.6 |
| Knowing how to generate original/creative ideas, solutions, and research directions | 5 | 3.4 | 40 | 3.6 | 334 | 3.5 | 437 | 3.5 |
| Knowing how to put research ideas into practice in your field | 5 | 3.4 | 39 | 3.7 | 332 | 3.5 | 436 | 3.5 |
| Understanding ethics and ethical practice in your field | 5 | 3.8 | 39 | 3.3 | 331 | 3.6 | 433 | 3.5 |
| Understanding, evaluating, and using the quantitative methods relevant to your field | 5 | 3.4 | 39 | 3.5 | 332 | 3.3 | 436 | 3.3 |
| Mastering specialized instruments, computer programs, or materials important to your field | 5 | 3.2 | 40 | 3.5 | 333 | 3.3 | 436 | 3.3 |
| Learning independently | 5 | 3.8 | 40 | 3.8 | 333 | 3.7 | 437 | 3.7 |
| Working collaboratively with others within your field | 5 | 3.8 | 39 | 3.6 | 332 | 3.7 | 436 | 3.7 |
| Working collaboratively with interdisciplinary groups | 5 | 3.8 | 38 | 3.4 | 330 | 3.5 | 434 | 3.5 |
| Understanding and valuing diverse people and cultures | 5 | 3.4 | 39 | 3.4 | 332 | 3.5 | 436 | 3.5 |
| Using self-reflection and self-assessment to guide next directions | 5 | 3.0 | 39 | 3.3 | 332 | 3.5 | 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 | 6 | 2.5 | 41 | 3.0 | 302 | 3.1 | 409 | 3.2 |
| The help you received from graduate student colleagues | 6 | 2.2 | 41 | 3.1 | 336 | 3.3 | 443 | 3.3 |
| The help you received navigating the job market | 6 | 1.7 | 41 | 2.4 | 335 | 2.4 | 440 | 2.4 |
| Your overall learning experience at the UW | 6 | 2.7 | 41 | 3.4 | 338 | 3.4 | 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. | 6 | 2.3 | 41 | 3.5 | 339 | 3.5 | 446 | 3.5 |
| Students in my major treated each other respectfully - regardless of race, gender, ethnicity, sexuality, and country of origin. | 6 | 2.8 | 41 | 3.7 | 340 | 3.6 | 447 | 3.6 |
| Classrooms, labs, and other campus spaces were accessible. | 6 | 3.0 | 41 | 3.6 | 339 | 3.4 | 446 | 3.5 |
| If I had to make my college choice over again, I would choose to attend UW. | 6 | 2.5 | 41 | 3.4 | 340 | 3.5 | 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? | 1 | 4.0 | 9 | 3.4 | 179 | 3.4 | 223 | 3.4 |

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

| Job title | Employing organization |
|--|-------------------------------|
| Senior Member of the Technical Staff Process Engineer | Sandia National Laboratories |
| | Stanford |
| Postdoctoral Fellow | Harvard |
| Materials & Process Engineer | Boeing |