

ATTACHMENT 4

Survey of Earned Doctorates Institutional Profile - Example

Survey of Earned Doctorates 2023

Confidential Results for ABC University

Of your institution's 141 research doctorate recipients in 2023, 99% responded to the Survey of Earned Doctorates (SED); nationally, 92% of research doctorate recipients responded to the SED.

Postgraduation Plans

■ Your institution ■ Your peer institutions
(Very high research activity institutions^a)

Percent
0 25 50 75 100

Postgraduation Status

Immediate status following doctorate receipt

Definite postgraduation study
Definite employment
Seeking employment or study
Other

Postgraduation Plans

Type of employment immediately following doctorate receipt

Postdoc fellowship or research associateship
Other training or study
Employment (other than postdoc)

Postgraduation Employment

Excluding postdoctoral fellowships, associateships, traineeships

Academe
Government
Industry or business
Nonprofit
Other or not reported

Primary Work Activity

Excluding postdoctoral fellowships, associateships, traineeships

Research & development
Teaching
Management or administration
Professional services
Other

Secondary Work Activity

Excluding postdoctoral fellowships, associateships, traineeships

Research & development
Teaching
Management or administration
Professional services
Other
No secondary activity

Postgraduation Study Source of Support

U.S. government
College or university
Private foundation
Nonprofit, other than private foundation
Other
Not reported

Postgraduation Location

In comparison to doctorate institution location

Same U.S. region
Different U.S. region
Abroad

Starting Salary

S&E doctorate recipients

Non-S&E doctorate recipients

Percent

Percent

0 25 50 75 100

0 25 50 75 100

\$40,000 or less

\$40,001–\$60,000

\$60,001–\$80,000

\$80,001 or above

\$40,000 or less

\$40,001–\$60,000

\$60,001–\$80,000

\$80,001 or above

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Survey of Earned Doctorates 2023

Confidential Results for ABC University

Section I. A comparison of research doctorates at your institution with research doctorates from your peer institutions with very high research activity, and all doctorate institutions

	Your institution		Your peer institutions ^a		All institutions	
	Number	Percent	Number	Percent	Number	Percent
Research doctorate recipients	141	100.0	40,396	100.0	52,250	100.0
Demographics						
Sex						
Male	62	44.0	22,487	55.7	28,082	53.7
Female	79	56.0	17,899	44.3	24,156	46.2
Not reported	0	0.0	10	0.0	12	0.0
Citizenship						
U.S. citizen or permanent visa	115	81.6	23,842	59.0	31,674	60.6
Temporary visa	25	17.7	14,628	36.2	17,638	33.8
Not reported	1	0.7	1,926	4.8	2,938	5.6
Ethnicity and race (U.S. citizens and permanent residents)^b						
Hispanic or Latino	7	6.1	2,082	8.7	2,856	9.0
Not Hispanic or Latino						
American Indian or Alaska Native	0	0.0	73	0.3	100	0.3
Asian	8	7.0	2,465	10.3	3,022	9.5
Black or African American	19	16.5	1,315	5.5	2,431	7.7
White	76	66.1	16,459	69.0	21,333	67.4
Two or more races	5	4.3	852	3.6	1,088	3.4
Other race or race not reported	0	0.0	285	1.2	376	1.2
Ethnicity not reported	0	0.0	311	1.3	468	1.5
Education						
Doctorate field of study						
Agricultural sciences and natural resources	0	0.0	1,025	2.5	1,223	2.3
Biological and biomedical sciences	66	46.8	6,362	15.7	8,259	15.8
Computer and information sciences	0	0.0	1,839	4.6	2,195	4.2
Engineering	11	7.8	8,097	20.0	9,563	18.3
Geosciences, atmospheric, and ocean sciences	0	0.0	857	2.1	1,044	2.0
Health sciences	21	14.9	1,628	4.0	2,582	4.9
Mathematics and statistics	3	2.1	1,688	4.2	1,915	3.7
Multidisciplinary/ interdisciplinary sciences	4	2.8	999	2.5	1,299	2.5
Physical sciences	4	2.8	4,187	10.4	4,811	9.2
Psychology	12	8.5	2,045	5.1	3,716	7.1
Social sciences	6	4.3	4,013	9.9	4,749	9.1
Business	0	0.0	927	2.3	1,340	2.6
Education	14	9.9	2,224	5.5	3,711	7.1
Humanities	0	0.0	2,350	5.8	3,076	5.9
Visual and performing arts	0	0.0	706	1.7	771	1.5
Other fields	0	0.0	1,449	3.6	1,996	3.8

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Survey of Earned Doctorates 2023 - ABC University

	Your institution		Your peer institutions ^a		All institutions	
	Number	Percent	Number	Percent	Number	Percent
Education (cont.)						
Doctorates reporting interdisciplinary dissertation research^c						
Agricultural sciences and natural resources	1	1.3	879	2.9	1,019	2.7
Biological and biomedical sciences	1	1.3	253	0.8	296	0.8
Computer and information sciences	1	1.3	1,655	5.5	1,942	5.1
Engineering	10	12.7	6,521	21.7	7,729	20.2
Geosciences, atmospheric, and ocean sciences	0	0.0	780	2.6	941	2.5
Health sciences	24	30.4	1,752	5.8	2,712	7.1
Mathematics and statistics	5	6.3	1,226	4.1	1,437	3.8
Multidisciplinary/ interdisciplinary sciences	3	3.8	1,136	3.8	1,417	3.7
Physical sciences	4	5.1	3,797	12.6	4,359	11.4
Psychology	11	13.9	1,719	5.7	2,805	7.3
Social sciences	5	6.3	3,619	12.0	4,331	11.3
Business	0	0.0	846	2.8	1,185	3.1
Education	14	17.7	1,871	6.2	3,007	7.9
Humanities	0	0.0	1,981	6.6	2,572	6.7
Visual and performing arts	0	0.0	630	2.1	684	1.8
Other fields	0	0.0	1,400	4.7	1,824	4.8
Primary source of support during graduate school						
Teaching assistantships	11	8.1	8,287	22.9	9,794	21.3
Research/other assistantships or traineeships	43	31.9	13,517	37.3	15,981	34.7
Fellowships or grants	48	35.6	9,403	26.0	11,148	24.2
Own resources	20	14.8	3,708	10.2	7,038	15.3
Employer	9	6.7	698	1.9	1,232	2.7
Other	4	3.0	606	1.7	863	1.9
Graduate and undergraduate total debt						
None	72	51.4	23,556	63.5	28,610	60.4
\$30,000 or less	24	17.1	6,264	16.9	7,879	16.6
More than \$30,000	44	31.4	7,299	19.7	10,855	22.9
Master's degree institution						
Same institution as doctorate	40	28.6	12,824	34.3	16,211	34.0
Different institution from doctorate	44	31.4	14,582	39.0	19,507	40.9
No master's degree earned	56	40.0	9,965	26.7	12,017	25.2
	Number	Median	Number	Median	Number	Median
Median time to degree (Years)						
Since baccalaureate	140	8.4	39,044	8.3	50,141	8.8
Since starting graduate school	140	6.4	37,540	7.0	47,958	7.3
Since start of doctoral program ^d	140	5.3	36,693	5.7	46,743	5.7

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Survey of Earned Doctorates 2023 - ABC University

	Your institution		Your peer institutions ^a		All institutions	
	Number	Percent	Number	Percent	Number	Percent
Postgraduation plans						
Postgraduation status (Immediate status doctorate award)						
Definite postgraduation study	50	35.7	11,338	30.5	13,715	28.9
Definite employment	42	30.0	14,772	39.8	19,455	41.1
Seeking employment or study	38	27.1	9,955	26.8	12,743	26.9
Other	10	7.1	1,062	2.9	1,474	3.1
Postgraduation employment plans (Immediately following doctorate award)						
Postdoc fellowship or research associateship	47	51.1	10,828	41.5	12,982	39.1
Other training or study	3	3.3	510	2.0	733	2.2
Employment (other than postdoc)	42	45.7	14,772	56.6	19,455	58.7
Postgraduation employment sector (Excluding postdoc fellowships, associateships, traineeships)						
Academe	20	52.6	4,626	35.1	6,241	35.9
Government	5	13.2	929	7.1	1,346	7.7
Industry or business	4	10.5	6,223	47.2	7,521	43.2
Nonprofit	2	5.3	732	5.6	1,171	6.7
Other or not reported	7	18.4	666	5.1	1,125	6.5
Primary work activity (Excluding postdoc fellowships, associateships, traineeships)						
Research & development	16	38.1	7,089	50.3	8,221	44.5
Teaching	15	35.7	3,305	23.4	4,700	25.5
Management or administration	8	19.0	996	7.1	1,742	9.4
Professional services	3	7.1	2,668	18.9	3,743	20.3
Other	0	0.0	44	0.3	57	0.3
Secondary work activity (Excluding postdoc fellowships, associateships, traineeships)						
Research & development	10	23.8	3,290	23.3	4,458	24.1
Teaching	7	16.7	1,891	13.4	2,510	13.6
Management or administration	6	14.3	1,633	11.6	2,227	12.1
Professional services	3	7.1	1,749	12.4	2,205	11.9
Other	1	2.4	68	0.5	92	0.5
No secondary activity	15	35.7	5,471	38.8	6,971	37.8
Postdoctoral study source of support						
U.S. government	26	52.0	3,465	30.6	4,216	30.7
College or university	13	26.0	4,599	40.6	5,382	39.2
Private foundation	0	0.0	460	4.1	558	4.1
Nonprofit, other than private foundation	1	2.0	268	2.4	397	2.9
Other	3	6.0	903	8.0	1,138	8.3
Not reported	7	14.0	1,643	14.5	2,024	14.8

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Survey of Earned Doctorates 2023 - ABC University

	Your institution		Your peer institutions ^a		All institutions	
	Number	Percent	Number	Percent	Number	Percent
Postgraduation plans (cont.)						
Postgraduation location (In comparison to doctorate institution location)						
Same U.S. region	75	53.2	17,861	47.7	23,251	48.3
Different U.S. region	59	41.8	15,208	40.6	19,537	40.6
Abroad	7	5.0	4,349	11.6	5,357	11.1
	S&E		S&E		S&E	
	Non-S&E		Non-S&E		Non-S&E	
Starting salary^e						
Total number	75	11	16,638	3,735	20,921	5,224
Percent						
\$40,000 or less	9.3	9.1	9.7	20.2	10.1	19.4
\$40,001–\$60,000	64.0	9.1	46.7	36.7	46.9	34.8
\$60,001–\$80,000	14.7	36.4	23.2	28.5	22.8	29.0
\$80,001 or above	12.0	45.5	20.5	14.6	20.1	16.8

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Survey of Earned Doctorates 2023 - ABC University

Section II. A comparison of science and engineering doctorates with doctorates in other fields at ABC University

	All doctorate fields		S&E fields		Non-S&E fields	
	Number	Percent	Percent	Number	Number	Percent
Research doctorate recipients	141	100.0	127	100.0	14	100.0
Demographics						
Sex						
Male	62	44.0	58	45.7	4	28.6
Female	79	56.0	69	54.3	10	71.4
Not reported	0	0.0	0	0.0	0	0.0
Citizenship						
U.S. citizen or permanent visa	115	81.6	103	81.1	12	85.7
Temporary visa	25	17.7	23	18.1	2	14.3
Not reported	1	0.7	1	0.8	0	0.0
Ethnicity and race (U.S. citizens and permanent residents)^b						
Hispanic or Latino	7	6.1	5	4.9	2	16.7
Not Hispanic or Latino						
American Indian or Alaska Native	0	0.0	0	0.0	0	0.0
Asian	8	7.0	8	7.8	0	0.0
Black or African American	19	16.5	14	13.6	5	41.7
White	76	66.1	71	68.9	5	41.7
Two or more races	5	4.3	5	4.9	0	0.0
Other race or race not reported	0	0.0	0	0.0	0	0.0
Ethnicity not reported	0	0.0	0	0.0	0	0.0
Education						
Primary source of support during graduate school						
Teaching assistantships	11	8.1	11	8.9	0	0.0
Research/other assistantships or traineeships	43	31.9	43	35.0	0	0.0
Fellowships or grants	48	35.6	48	39.0	0	0.0
Own resources	20	14.8	11	8.9	9	75.0
Employer	9	6.7	8	6.5	1	8.3
Other	4	3.0	2	1.6	2	16.7
Graduate and undergraduate total debt						
None	72	51.4	66	52.4	6	42.9
\$30,000 or less	24	17.1	24	19.0	0	0.0
More than \$30,000	44	31.4	36	28.6	8	57.1
Master's degree institution						
Same institution as doctorate	40	28.6	30	23.8	10	71.4
Different institution from doctorate	44	31.4	40	31.7	4	28.6
No master's degree earned	56	40.0	56	44.4	0	0.0

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Survey of Earned Doctorates 2023 - ABC University

	All doctorate fields		S&E fields		Non-S&E fields	
	Number	Median	Number	Median	Number	Median
Education (cont.)						
Median time to degree (Years)						
Since baccalaureate	140	8.4	126	8.3	14	19.3
Since starting graduate school	140	6.4	126	6.3	14	10.6
Since start of doctoral program ^d	140	5.3	126	5.3	14	5.1
	Number	Percent	Number	Percent	Number	Percent
Postgraduation plans						
Postgraduation status (Immediate status following doctorate award)						
Definite postgraduation study	50	35.7	50	39.7	0	0.0
Definite employment	42	30.0	30	23.8	12	85.7
Seeking employment or study	38	27.1	36	28.6	2	14.3
Other	10	7.1	10	7.9	0	0.0
Postgraduation employment plans (Immediately following doctorate award)						
Postdoc fellowship or research associateship	47	51.1	47	58.8	0	0.0
Other study	3	3.3	3	3.8	0	0.0
Employment (other than postdoc)	42	45.7	30	37.5	12	100.0
Postgraduation employment sector (Excluding postdoc fellowships, associateships, traineeships)						
Academe	20	52.6	19	67.9	1	10.0
Government	5	13.2	3	10.7	2	20.0
Industry or business	4	10.5	4	14.3	0	0.0
Nonprofit	2	5.3	2	7.1	0	0.0
Other or not reported	7	18.4	0	0.0	7	70.0
Primary work activity (Excluding postdoc fellowships, associateships, traineeships)						
Research & development	16	38.1	16	53.3	0	0.0
Teaching	15	35.7	8	26.7	7	58.3
Management or administration	8	19.0	3	10.0	5	41.7
Professional services	3	7.1	3	10.0	0	0.0
Other	0	0.0	0	0.0	0	0.0
Secondary work activity (Excluding postdoc fellowships, associateships, traineeships)						
Research & development	10	23.8	6	20.0	4	33.3
Teaching	7	16.7	5	16.7	2	16.7
Management or administration	6	14.3	5	16.7	1	8.3
Professional services	3	7.1	3	10.0	0	0.0
Other	1	2.4	0	0.0	1	8.3
No secondary activity	15	35.7	11	36.7	4	33.3

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Survey of Earned Doctorates 2023 - ABC University

	All doctorate fields		S&E fields		Non-S&E fields	
	Number	Percent	Number	Percent	Number	Percent
Postgraduation plans (cont.)						
Postdoctoral study source of support						
U.S. government	26	52.0	26	52.0	0	0.0
College or university	13	26.0	13	26.0	0	0.0
Private foundation	0	0.0	0	0.0	0	0.0
Nonprofit, other than private foundation	1	2.0	1	2.0	0	0.0
Other	3	6.0	3	6.0	0	0.0
Not reported	7	14.0	7	14.0	0	0.0
Postgraduation location (In comparison to doctorate institution location)						
Same U.S. region	75	53.2	63	49.6	12	85.7
Different U.S. region	59	41.8	59	46.5	0	0.0
Abroad	7	5.0	5	3.9	2	14.3

S&E = science and engineering.

^a See <https://carnegieclassifications.acenet.edu/listings.php> for information about the 2018 Carnegie Classifications used in this report.

^b American Indian or Alaska Native, Asian, Black or African American, and White are single race who are not Hispanic; Hispanic or Latino may be of any race. Other race or race not reported category includes Native Hawaiian or Other Pacific Islander, and doctorate recipients who are not Hispanic or Latino and did not indicate their race.

^c Interdisciplinary dissertation research is captured by response to primary and secondary dissertation research field items. Respondents reporting a secondary dissertation research field are considered interdisciplinary and counted under the broad field of their first reported dissertation research field.

^d Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the doctoral institution in the same fine field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

^e Salary ranges include only doctorate recipients reporting definite postgraduation plans who responded to salary question.

NOTES: S&E includes agricultural sciences and natural resources, biological and biomedical sciences, computer and information sciences, engineering, geosciences, atmospheric, and ocean sciences, health sciences, mathematics and statistics, multidisciplinary/interdisciplinary sciences, physical sciences, psychology, and social sciences. Non-S&E includes business, education, humanities, visual and performing arts, and other professional fields. Except for those reported for the demographic variables, percentages are based on total responses with missing data excluded. Percentage totals may not sum to 100 because of rounding. Percentages calculated based on a small number of cases should be interpreted with caution.

SOURCE: National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

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