

Table 8**Top 10 U.S. baccalaureate-origin institutions of doctorate recipients from 2010–20, by broad field of doctorate, institutional-yield ratio, institutional control, and 2018 Carnegie Classification**

(Number and ratio)

Rank	Broad field and baccalaureate-origin institution	Doctorate recipients	Institutional-yield ratio	Institutional control	2018 Carnegie Classification
Life sciences ^a					
1	California Institute of Technology	163	6.8	Private	R1: doctoral universities
2	Reed C.	170	5.1	Private	Baccalaureate colleges: arts and sciences focus
3	Swarthmore C.	200	5.0	Private	Baccalaureate colleges: arts and sciences focus
4	Grinnell C.	188	4.8	Private	Baccalaureate colleges: arts and sciences focus
5	Carleton C.	242	4.6	Private	Baccalaureate colleges: arts and sciences focus
6	Massachusetts Institute of Technology	566	4.4	Private	R1: doctoral universities
7	Haverford C.	132	4.1	Private	Baccalaureate colleges: arts and sciences focus
8	Pomona C.	169	4.1	Private	Baccalaureate colleges: arts and sciences focus
9	Harvey Mudd C.	72	3.9	Private	Baccalaureate colleges: arts and sciences focus
10	U. Chicago	456	3.8	Private	R1: doctoral universities
Physical sciences and earth sciences					
1	California Institute of Technology	350	14.6	Private	R1: doctoral universities
2	Harvey Mudd C.	155	8.3	Private	Baccalaureate colleges: arts and sciences focus
3	Carleton C.	221	4.2	Private	Baccalaureate colleges: arts and sciences focus
4	Reed C.	111	3.4	Private	Baccalaureate colleges: arts and sciences focus
5	Massachusetts Institute of Technology	421	3.2	Private	R1: doctoral universities
6	New Mexico Institute of Mining and Technology	59	2.9	Public	M3: master's institutions - smaller programs
7	Haverford C.	81	2.5	Private	Baccalaureate colleges: arts and sciences focus
8	Swarthmore C.	98	2.4	Private	Baccalaureate colleges: arts and sciences focus
9	Colorado School of Mines	148	2.4	Public	R2: doctoral universities
10	Whitman C.	92	2.3	Private	Baccalaureate colleges: arts and sciences focus
Mathematics and computer sciences					
1	Harvey Mudd C.	137	7.4	Private	Baccalaureate colleges: arts and sciences focus
2	California Institute of Technology	173	7.2	Private	R1: doctoral universities
3	Massachusetts Institute of Technology	322	2.5	Private	R1: doctoral universities
4	Swarthmore C.	70	1.7	Private	Baccalaureate colleges: arts and sciences focus
5	U. Chicago	199	1.6	Private	R1: doctoral universities
6	Carnegie Mellon U.	227	1.6	Private	R1: doctoral universities
7	Princeton U.	200	1.6	Private	R1: doctoral universities
8	Carleton C.	71	1.4	Private	Baccalaureate colleges: arts and sciences focus
9	Williams C., Williamstown	77	1.3	Private	Baccalaureate colleges: arts and sciences focus
10	Reed C.	43	1.3	Private	Baccalaureate colleges: arts and sciences focus
Psychology and social sciences					

Table 8**Top 10 U.S. baccalaureate-origin institutions of doctorate recipients from 2010–20, by broad field of doctorate, institutional-yield ratio, institutional control, and 2018 Carnegie Classification**

(Number and ratio)

Rank	Broad field and baccalaureate-origin institution	Doctorate recipients	Institutional-yield ratio	Institutional control	2018 Carnegie Classification
1	Swarthmore C.	208	5.2	Private	Baccalaureate colleges: arts and sciences focus
2	Reed C.	158	4.8	Private	Baccalaureate colleges: arts and sciences focus
3	Williams C., Williamstown	232	4.1	Private	Baccalaureate colleges: arts and sciences focus
4	U. Chicago	491	4.0	Private	R1: doctoral universities
5	Pomona C.	158	3.8	Private	Baccalaureate colleges: arts and sciences focus
6	Carleton C.	196	3.8	Private	Baccalaureate colleges: arts and sciences focus
7	Grinnell C.	147	3.7	Private	Baccalaureate colleges: arts and sciences focus
8	Wesleyan U.	290	3.6	Private	Baccalaureate colleges: arts and sciences focus
9	Wellesley C.	233	3.6	Private	Baccalaureate colleges: arts and sciences focus
10	Haverford C.	113	3.5	Private	Baccalaureate colleges: arts and sciences focus
Engineering					
1	California Institute of Technology	257	10.7	Private	R1: doctoral universities
2	Harvey Mudd C.	153	8.2	Private	Baccalaureate colleges: arts and sciences focus
3	Massachusetts Institute of Technology	834	6.4	Private	R1: doctoral universities
4	Cooper Union for the Advancement of Science and Art	122	5.6	Private	Baccalaureate colleges: diverse fields
5	Rose-Hulman Institute of Technology	178	4.2	Private	Special focus 4 year: engineering
6	Case Western Reserve U.	319	3.5	Private	R1: doctoral universities
7	Colorado School of Mines	213	3.4	Public	R2: doctoral universities
8	Rensselaer Polytechnic Institute, Troy	448	3.4	Private	R1: doctoral universities
9	Illinois Institute of Technology	142	3.1	Private	R2: doctoral universities
10	Rice U.	255	3.0	Private	R1: doctoral universities
Education					
1	Tougaloo C.	28	1.8	Private	Baccalaureate colleges: arts and sciences focus
2	Spelman C.	90	1.8	Private	Baccalaureate colleges: arts and sciences focus
3	Alcorn State U.	57	1.3	Public	M2: master's institutions - medium programs
4	Jackson State U.	117	1.3	Public	R2: doctoral universities
5	Swarthmore C.	49	1.2	Private	Baccalaureate colleges: arts and sciences focus
6	Earlham C.	30	1.1	Private	Baccalaureate colleges: arts and sciences focus
7	Haverford C.	36	1.1	Private	Baccalaureate colleges: arts and sciences focus
8	Andrews U.	40	1.1	Private	D/PU: doctoral/professional universities
9	Bryn Mawr C.	36	1.1	Private	Baccalaureate colleges: arts and sciences focus
10	Berea C.	34	1.1	Private	Baccalaureate colleges: arts and sciences focus
Humanities and arts					
1	New England Conservatory	54	6.1	Private	Special focus four-year: arts, music and design

Table 8**Top 10 U.S. baccalaureate-origin institutions of doctorate recipients from 2010–20, by broad field of doctorate, institutional-yield ratio, institutional control, and 2018 Carnegie Classification**

(Number and ratio)

Rank	Broad field and baccalaureate-origin institution	Doctorate recipients	Institutional-yield ratio	Institutional control	2018 Carnegie Classification
2	St. John's C., Annapolis	62	5.5	Private	Baccalaureate colleges: arts and sciences focus
3	Swarthmore C.	193	4.8	Private	Baccalaureate colleges: arts and sciences focus
4	Reed C.	157	4.8	Private	Baccalaureate colleges: arts and sciences focus
5	St. John's C., Santa Fe	38	3.8	Private	Baccalaureate colleges: arts and sciences focus
6	Oberlin C.	278	3.7	Private	Baccalaureate colleges: arts and sciences focus
7	Thomas Aquinas C.	28	3.6	Private	Baccalaureate colleges: arts and sciences focus
8	Yale U.	515	3.5	Private	R1: doctoral universities
9	U. Chicago	416	3.4	Private	R1: doctoral universities
10	Sarah Lawrence C.	109	3.4	Private	Baccalaureate colleges: arts and sciences focus
	Other ^b				
1	Swarthmore C.	32	0.8	Private	Baccalaureate colleges: arts and sciences focus
2	Harvard U.	129	0.7	Private	R1: doctoral universities
3	U. Chicago	75	0.6	Private	R1: doctoral universities
4	Spelman C.	28	0.6	Private	Baccalaureate colleges: arts and sciences focus
5	U. Pennsylvania	153	0.5	Private	R1: doctoral universities
6	Brigham Young U., Provo	370	0.5	Private	R2: doctoral universities
7	Williams C., Williamstown	26	0.5	Private	Baccalaureate colleges: arts and sciences focus
8	Massachusetts Institute of Technology	58	0.4	Private	R1: doctoral universities
9	Vassar C.	30	0.4	Private	Baccalaureate colleges: arts and sciences focus
10	Brown U.	73	0.4	Private	R1: doctoral universities

^a Includes agricultural sciences and natural resources, biological and biomedical sciences, and health sciences.

^b Includes other non-science and engineering fields not shown separately.

Note(s):

Only institutions from which 25 or more baccalaureate recipients received doctorate degrees between 2010 and 2020 were included in the analysis. Institutions are ranked on unrounded ratios. Institutions with the same number of doctorate recipients are listed alphabetically. R1: doctoral universities are institutions with very high research activity and R2: doctoral universities are institutions with high research activity.

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates; Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey.