

TABLE 4. Top 50 U.S. baccalaureate-origin institutions of 2002–11 S&E doctorate recipients, by institutional-yield ratio, institutional control, and 2010 Carnegie classification

Rank	Academic institution	Institutional control	2010 Carnegie classification	S&E doctorate recipients	
				Number	Institutional-yield ratio
1	CA Institute of Technology	Private	Research-very high	739	34.9
2	Harvey Mudd C.	Private	Baccalaureate	359	24.4
3	MA Institute of Technology	Private	Research-very high	1,880	16.0
4	Reed C.	Private	Baccalaureate	374	14.2
5	Swarthmore C.	Private	Baccalaureate	472	13.1
6	Carleton C.	Private	Baccalaureate	555	12.3
7	Grinnell C.	Private	Baccalaureate	366	11.1
8	Rice U.	Private	Research-very high	728	10.8
9	U. of Chicago	Private	Research-very high	940	10.7
10	Princeton U.	Private	Research-very high	1,131	10.1
11	Harvard U.	Private	Research-very high	1,794	10.0
12	Pomona C.	Private	Baccalaureate	345	9.5
13	Haverford C.	Private	Baccalaureate	269	9.5
14	NM Institute of Mining and Technology	Public	Master's granting	142	9.1
15	Williams C.	Private	Baccalaureate	451	8.7
16	Case Western Reserve U.	Private	Research-very high	608	8.4
17	Bryn Mawr C.	Private	Baccalaureate	245	8.3
18	Stanford U.	Private	Research-very high	1,359	8.0
19	Brown U.	Private	Research-very high	1,188	8.0
20	Yale U.	Private	Research-very high	1,020	7.8
21	Macalester C.	Private	Baccalaureate	311	7.8
22	Carnegie Mellon U.	Private	Research-very high	812	7.7
23	Cornell U., all campuses	Private	Research-very high	2,646	7.7
24	Hillsdale C.	Private	Baccalaureate	65	7.7
25	Oberlin C.	Private	Baccalaureate	523	7.6
26	Amherst C.	Private	Baccalaureate	309	7.4
27	Johns Hopkins U.	Private	Research-very high	797	7.2
28	Lawrence U.	Private	Baccalaureate	178	7.1
29	Duke U.	Private	Research-very high	1,103	7.1
30	Kalamazoo C.	Private	Baccalaureate	182	6.8
31	U. of Rochester	Private	Research-very high	771	6.6
32	Wesleyan U.	Private	Baccalaureate	471	6.6
33	Cooper Union for the Advancement of Science and Art	Private	Baccalaureate	125	6.5
34	Wellesley C.	Private	Baccalaureate	386	6.5
35	Hendrix C.	Private	Baccalaureate	129	6.3
36	Whitman C.	Private	Baccalaureate	193	6.3
37	Brandeis U.	Private	Research-very high	451	6.3
38	Allegheny C.	Private	Baccalaureate	233	6.1
39	Vassar C.	Private	Baccalaureate	348	6.1
40	Bowdoin C.	Private	Baccalaureate	240	6.1
41	Dartmouth C.	Private	Research-very high	654	6.0
42	Earlham C.	Private	Baccalaureate	138	6.0
43	U. CA, Berkeley	Public	Research-very high	3,406	5.9
44	Rensselaer Polytechnic Institute	Private	Research-very high	590	5.9
45	Mount Holyoke C.	Private	Baccalaureate	278	5.8
46	Columbia U. in the City of New York	Private	Research-very high	829	5.7
47	CO School of Mines	Public	Research-very high	237	5.7
48	Occidental C.	Private	Baccalaureate	206	5.7
49	Franklin and Marshall C.	Private	Baccalaureate	231	5.5
50	C. of William and Mary	Public	Research-high	718	5.5

S&E = science and engineering; includes health fields.

NOTES: Institutional-yield ratio is the number of S&E doctorate recipients per 100 bachelor's degrees awarded in all fields 9 years earlier. Only institutions from which 50 or more baccalaureate recipients received S&E doctorate degrees between 2002 and 2011 were included in the analysis. Institutions are ranked on unrounded ratios.

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