

Table 6**Top 50 U.S. baccalaureate-origin institutions of S&E doctorate recipients from 2010–20, by institutional-yield ratio, institutional control, and 2018 Carnegie Classification**

(Number and ratio)

| Rank | Baccalaureate-origin institution | S&E doctorate recipients | | Institutional control | 2018 Carnegie Classification |
|------|---|--------------------------|---------------------------|-----------------------|--|
| | | Number | Institutional-yield ratio | | |
| 1 | California Institute of Technology | 977 | 40.9 | Private | R1: doctoral universities |
| 2 | Harvey Mudd C. | 535 | 28.7 | Private | Baccalaureate colleges: arts and sciences focus |
| 3 | Massachusetts Institute of Technology | 2,309 | 17.8 | Private | R1: doctoral universities |
| 4 | Swarthmore C. | 628 | 15.7 | Private | Baccalaureate colleges: arts and sciences focus |
| 5 | Reed C. | 494 | 15.0 | Private | Baccalaureate colleges: arts and sciences focus |
| 6 | Carleton C. | 768 | 14.7 | Private | Baccalaureate colleges: arts and sciences focus |
| 7 | Grinnell C. | 478 | 12.1 | Private | Baccalaureate colleges: arts and sciences focus |
| 8 | U. Chicago | 1,462 | 12.0 | Private | R1: doctoral universities |
| 9 | Haverford C. | 367 | 11.3 | Private | Baccalaureate colleges: arts and sciences focus |
| 10 | Pomona C. | 471 | 11.3 | Private | Baccalaureate colleges: arts and sciences focus |
| 11 | Rice U. | 924 | 10.9 | Private | R1: doctoral universities |
| 12 | Princeton U. | 1,353 | 10.8 | Private | R1: doctoral universities |
| 13 | Williams C., Williamstown | 586 | 10.3 | Private | Baccalaureate colleges: arts and sciences focus |
| 14 | Case Western Reserve U. | 881 | 9.7 | Private | R1: doctoral universities |
| 15 | Harvard U. | 1,864 | 9.5 | Private | R1: doctoral universities |
| 16 | Stanford U. | 1,716 | 9.1 | Private | R1: doctoral universities |
| 17 | Cornell U. | 3,262 | 9.0 | Private | R1: doctoral universities |
| 18 | New Mexico Institute of Mining and Technology | 177 | 8.6 | Public | M3: master's institutions - smaller program |
| 19 | Yale U. | 1,226 | 8.4 | Private | R1: doctoral universities |
| 20 | Cooper Union for the Advancement of Science and Art | 183 | 8.4 | Private | Baccalaureate colleges: diverse fields |
| 21 | Brown U. | 1,391 | 8.4 | Private | R1: doctoral universities |
| 22 | Macalester C. | 402 | 8.4 | Private | Baccalaureate colleges: arts and sciences focus |
| 23 | U. Rochester | 1,103 | 8.3 | Private | R1: doctoral universities |
| 24 | Amherst C. | 393 | 8.3 | Private | Baccalaureate colleges: arts and sciences focus |
| 25 | Whitman C. | 323 | 8.1 | Private | Baccalaureate colleges: arts and sciences focus |
| 26 | Bryn Mawr C. | 274 | 8.1 | Private | Baccalaureate colleges: arts and sciences focus |
| 27 | Carnegie Mellon U. | 1,123 | 8.0 | Private | R1: doctoral universities |
| 28 | Duke U. | 1,336 | 7.9 | Private | R1: doctoral universities |
| 29 | Wellesley C. | 510 | 7.8 | Private | Baccalaureate colleges: arts and sciences focus |
| 30 | Oberlin C. | 587 | 7.8 | Private | Baccalaureate colleges: arts and sciences focus |
| 31 | Johns Hopkins U. | 1,221 | 7.8 | Private | R1: doctoral universities |
| 32 | Hendrix C. | 187 | 7.4 | Private | Baccalaureate colleges: arts and sciences focus |
| 33 | Wesleyan U. | 582 | 7.3 | Private | Baccalaureate colleges: arts and sciences focus |
| 34 | Kalamazoo C. | 233 | 7.3 | Private | Baccalaureate colleges: arts and sciences focus |
| 35 | Dartmouth C. | 847 | 7.3 | Private | R1: doctoral universities |
| 36 | Rose-Hulman Institute of Technology | 300 | 7.1 | Private | Special focus four-year institution: engineering |
| 37 | Rensselaer Polytechnic Institute, Troy | 923 | 7.1 | Private | R1: doctoral universities |
| 38 | Vassar C. | 476 | 7.0 | Private | Baccalaureate colleges: arts and sciences focus |
| 39 | Mount Holyoke C. | 421 | 7.0 | Private | Baccalaureate colleges: arts and sciences focus |
| 40 | Colorado School of Mines | 418 | 6.8 | Public | R2: doctoral universities |
| 41 | Bowdoin C. | 319 | 6.7 | Private | Baccalaureate colleges: arts and sciences focus |
| 42 | Washington U., St. Louis | 1,168 | 6.6 | Private | R1: doctoral universities |
| 43 | Brandeis U. | 567 | 6.6 | Private | R1: doctoral universities |
| 44 | Columbia U. in the City of New York | 1,248 | 6.4 | Private | R1: doctoral universities |
| 45 | Worcester Polytechnic Institute | 443 | 6.4 | Private | R2: doctoral universities |
| 46 | Smith C. | 495 | 6.3 | Private | Baccalaureate colleges: arts and sciences focus |

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|------|----------------------------------|--------------------------|---------------------------|-----------------------|---|
| | | Number | Institutional-yield ratio | | |
| 47 | Colby C. | 338 | 6.3 | Private | Baccalaureate colleges: arts and sciences focus |
| 48 | U. California, Berkeley | 4,586 | 6.2 | Public | R1: doctoral universities |
| 49 | Lawrence U. | 200 | 6.1 | Private | Baccalaureate colleges: arts and sciences focus |
| 50 | Scripps C. | 133 | 6.0 | Private | Baccalaureate colleges: arts and sciences focus |

S&E = science and engineering (includes health fields).

Note(s):

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 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.