

Best Undergraduate Engineering Programs

On these pages, *U.S. News* ranks undergraduate engineering programs accredited by ABET, formerly known as the Accreditation Board for Engineering and Technology. The rankings are based solely on a survey of engineering deans and senior faculty conducted during the spring of 2010. Surveys sent to the dean and a faculty member at each program asked them to rate programs with which they're familiar on a scale from 1 (marginal) to 5 (distinguished). Students who prefer a school

that focuses on its undergrads can use the list below of top institutions whose terminal degree is a bachelor's or master's; universities offering doctorates, which can mean a wider range of offerings at the undergraduate level, appear on the next page. Thirty-seven percent of those surveyed returned ratings of the group below; 58 percent did so for the doctorate group. Respondents were also asked to name 10 top programs in specialty areas; those mentioned most often appear here.

Best Programs AT ENGINEERING SCHOOLS WHOSE HIGHEST DEGREE IS A BACHELOR'S OR MASTER'S

Rank	School (State) (*Public)	Peer assessment score (5.0=highest)	Rank	School (State) (*Public)	Peer assessment score (5.0=highest)	Rank	School (State) (*Public)	Peer assessment score (5.0=highest)
1.	Rose-Hulman Inst. of Tech. (IN)	4.5	17.	Embry-Riddle Aero. U.-Prescott (AZ)	3.3	31.	San Jose State University (CA)*	3.1
2.	Harvey Mudd College (CA)	4.4	17.	Gonzaga University (WA)	3.3	31.	St. Louis University	3.1
3.	Cooper Union (NY)	4.1	17.	Santa Clara University (CA)	3.3	31.	University of Michigan-Dearborn*	3.1
3.	United States Military Academy (NY)*	4.1	17.	Union College (NY)	3.3	31.	Valparaiso University (IN)	3.1
5.	Calif. Polytech. St. U.-San Luis Obispo*	4.0	21.	The Citadel (SC)*	3.2	31.	Webb Institute (NY)	3.1
5.	United States Air Force Acad. (CO)*	4.0	21.	Kettering University (MI)	3.2	38.	California State U.-Los Angeles*	3.0
5.	United States Naval Academy (MD)*	4.0	21.	Lafayette College (PA)	3.2	38.	Manhattan College (NY)	3.0
8.	Franklin W. Olin Col. of Eng. (MA)	3.9	21.	Rowan University (NJ)*	3.2	38.	Miami University-Oxford (OH)*	3.0
9.	Bucknell University (PA)	3.7	21.	Smith College (MA)	3.2	38.	University of Portland (OR)	3.0
9.	Villanova University (PA)	3.7	21.	Trinity University (TX)	3.2	42.	Boise State University (ID)*	2.9
11.	Baylor University (TX)	3.5	21.	U.S. Merchant Marine Acad. (NY)*	3.2	42.	California State U.-Sacramento*	2.9
11.	Calif. State Poly. Univ.-Pomona*	3.5	21.	Univ. of Colo.-Colorado Springs*	3.2	42.	Maine Maritime Academy*	2.9
11.	Embry-Riddle Aeronautical U. (FL)	3.5	21.	Univ. of San Diego	3.2	42.	Norwich University (VT)	2.9
11.	Milwaukee School of Engineering	3.5	21.	Virginia Military Institute*	3.2	42.	Oregon Inst. of Technology*	2.9
11.	Swarthmore College (PA)	3.5	31.	Bradley University (IL)	3.1	42.	Purdue University-Calumet (IN)*	2.9
11.	United States Coast Guard Acad. (CT)*	3.5	31.	Loyola Marymount University (CA)	3.1	42.	Univ. of Massachusetts-Dartmouth*	2.9

Best in the Specialties

(*Public)

AEROSPACE/AERONAUTICAL/ASTRONAUTICAL

- Embry-Riddle Aeronautical U. (FL)
- United States Air Force Acad. (CO)*
- Embry-Riddle Aeronautical U.-Prescott (AZ)
- Calif. Polytechnic St. U.-San Luis Obispo*
- United States Naval Academy (MD)*

CHEMICAL

- Rose-Hulman Inst. of Tech. (IN)
- Rowan University (NJ)*
- Cooper Union (NY)
- Bucknell University (PA)
- Manhattan College (NY)

CIVIL

- Rose-Hulman Inst. of Tech. (IN)
 - United States Military Academy (NY)*
 - Bucknell University (PA)
 - Calif. Polytechnic St. U.-San Luis Obispo*
 - Cooper Union (NY)
 - Harvey Mudd College (CA)
- ### COMPUTER ENGINEERING
- Rose-Hulman Inst. of Tech. (IN)
 - Calif. Polytechnic St. U.-San Luis Obispo*
 - Bucknell University (PA)
 - Cooper Union (NY)

ELECTRICAL/ELECTRONIC/COMMUNICATIONS

- Rose-Hulman Inst. of Tech. (IN)
- Calif. Polytechnic St. U.-San Luis Obispo*
- Cooper Union (NY)
- United States Military Academy (NY)*
- United States Naval Academy (MD)*

MECHANICAL

- Rose-Hulman Inst. of Tech. (IN)
- Calif. Polytechnic St. U.-San Luis Obispo*
- Kettering University (MI)
- United States Military Academy (NY)*
- Harvey Mudd College (CA)

Note: Peer assessment survey conducted by Synovate. To be ranked in a specialty, a school may have either a program or course offerings in that subject area. Based on a recommendation from the American Society for Engineering Education, a few engineering schools with small doctoral programs are part of the bachelor's and master's category.

Best Programs AT ENGINEERING SCHOOLS WHOSE HIGHEST DEGREE IS A DOCTORATE

Rank	School (State) (*Public)	Peer assessment score (5.0=highest)	Rank	School (State) (*Public)	Peer assessment score (5.0=highest)	Rank	School (State) (*Public)	Peer assessment score (5.0=highest)
1.	Massachusetts Inst. of Technology	4.8	26.	Harvard University (MA)	3.5	52.	Drexel University (PA)	3.0
2.	Stanford University (CA)	4.7	26.	North Carolina State U.-Raleigh*	3.5	52.	University of Delaware*	3.0
3.	University of California-Berkeley*	4.6	26.	Ohio State University-Columbus*	3.5	52.	Univ. of Massachusetts-Amherst*	3.0
4.	California Institute of Technology	4.5	26.	Rensselaer Polytechnic Inst. (NY)	3.5	56.	Auburn University (AL)*	2.9
4.	Georgia Institute of Technology*	4.5	26.	Univ. of Southern California	3.5	56.	Boston University	2.9
6.	U. of Illinois-Urbana-Champaign*	4.4	32.	University of California-Davis*	3.4	56.	Clemson University (SC)*	2.9
7.	University of Michigan-Ann Arbor*	4.3	32.	University of Colorado-Boulder*	3.4	56.	Colorado State University*	2.9
8.	Carnegie Mellon University (PA)	4.2	32.	University of Florida*	3.4	56.	Northeastern University (MA)	2.9
8.	Cornell University (NY)	4.2	32.	University of Pennsylvania	3.4	56.	Tufts University (MA)	2.9
8.	Purdue Univ.-West Lafayette (IN)*	4.2	36.	Lehigh University (PA)	3.3	56.	University of Iowa*	2.9
11.	Princeton University (NJ)	4.1	36.	Univ. of California-Santa Barbara*	3.3	56.	University of Pittsburgh*	2.9
11.	University of Texas-Austin*	4.1	36.	University of Virginia*	3.3	56.	Worcester Polytechnic Inst. (MA)	2.9
13.	Johns Hopkins University (MD)	3.9	36.	Vanderbilt University (TN)	3.3	65.	Illinois Institute of Technology	2.8
13.	Northwestern University (IL)	3.9	40.	Brown University (RI)	3.2	65.	Rochester Inst. of Technology (NY)	2.8
13.	Univ. of Wisconsin-Madison*	3.9	40.	Case Western Reserve Univ. (OH)	3.2	65.	SUNY-Stony Brook*	2.8
13.	Virginia Tech*	3.9	40.	Iowa State University*	3.2	65.	Syracuse University (NY)	2.8
17.	Pennsylvania State U.-University Park*	3.8	40.	Michigan State University*	3.2	65.	University at Buffalo-SUNY*	2.8
17.	Texas A&M Univ.-College Station*	3.8	40.	Yale University (CT)	3.2	65.	University of Illinois-Chicago*	2.8
19.	Rice University (TX)	3.7	45.	Arizona State University*	3.1	65.	University of Tennessee*	2.8
19.	Univ. of California-Los Angeles*	3.7	45.	Dartmouth College (NH)	3.1	65.	University of Utah*	2.8
19.	Univ. of Maryland-College Park*	3.7	45.	Rutgers, St. U. of N.J.-New Brunswick*	3.1	65.	Washington State University*	2.8
22.	Duke University (NC)	3.6	45.	University of Arizona*	3.1	74.	Kansas State University*	2.7
22.	Univ. of California-San Diego*	3.6	45.	University of California-Irvine*	3.1	74.	Michigan Technological University*	2.7
22.	Univ. of Minnesota-Twin Cities*	3.6	45.	University of Notre Dame (IN)	3.1	74.	Missouri Univ. of Science & Technology*2.7	2.7
22.	University of Washington*	3.6	45.	Washington University in St. Louis	3.1	74.	University of Rochester (NY)	2.7
26.	Columbia University (NY)	3.5	52.	Colorado School of Mines*	3.0			

Best in the Specialties

(*Public)

AEROSPACE/AERONAUTICAL/ASTRONAUTICAL

1. Massachusetts Inst. of Technology
2. Georgia Institute of Technology*
3. University of Michigan-Ann Arbor*
4. Purdue Univ.-West Lafayette (IN)*
5. California Institute of Technology

BIOLOGICAL/AGRICULTURAL

1. Texas A&M Univ.-College Station*
2. U. of Illinois-Urbana-Champaign*
3. Purdue Univ.-West Lafayette (IN)*
4. Iowa State University*
5. Cornell University (NY)

BIOMEDICAL/BIOMEDICAL ENGINEERING

1. Johns Hopkins University (MD)
2. Duke University (NC)
3. Georgia Institute of Technology*
4. Massachusetts Inst. of Technology
5. Univ. of California-San Diego*

CHEMICAL

1. Massachusetts Inst. of Technology
2. University of California-Berkeley*
3. Stanford University (CA)
3. Univ. of Minnesota-Twin Cities*
5. University of Texas-Austin*
5. Univ. of Wisconsin-Madison*

CIVIL

1. U. of Illinois-Urbana-Champaign*
2. University of California-Berkeley*
3. Georgia Institute of Technology*
4. University of Texas-Austin*
5. Purdue Univ.-West Lafayette (IN)*

COMPUTER ENGINEERING

1. Massachusetts Inst. of Technology
2. Carnegie Mellon University (PA)
3. Stanford University (CA)
3. U. of Illinois-Urbana-Champaign*
5. University of California-Berkeley*

ELECTRICAL/ELECTRONIC/COMMUNICATIONS

1. Massachusetts Inst. of Technology
2. Stanford University (CA)
3. U. of Illinois-Urbana-Champaign*
4. University of California-Berkeley*
5. Georgia Institute of Technology*

ENGINEERING SCIENCE/ENGINEERING PHYSICS

1. California Institute of Technology
2. U. of Illinois-Urbana-Champaign*
3. Cornell University (NY)
4. University of California-Berkeley*
5. Virginia Tech*

ENVIRONMENTAL/ENVIRONMENTAL HEALTH

1. Stanford University (CA)
1. University of California-Berkeley*
3. U. of Illinois-Urbana-Champaign*
4. University of Texas-Austin*
5. Georgia Institute of Technology*
5. Massachusetts Inst. of Technology

INDUSTRIAL/MANUFACTURING

1. Georgia Institute of Technology*
2. University of Michigan-Ann Arbor*
3. Purdue Univ.-West Lafayette (IN)*
4. University of California-Berkeley*
4. Virginia Tech*

MATERIALS

1. Massachusetts Inst. of Technology
2. U. of Illinois-Urbana-Champaign*
3. University of California-Berkeley*
4. Northwestern University (IL)
5. University of Michigan-Ann Arbor*

MECHANICAL

1. Massachusetts Inst. of Technology
2. University of California-Berkeley*
3. Georgia Institute of Technology*
4. Stanford University (CA)
5. University of Michigan-Ann Arbor*

Schools of Engineering

THE TOP SCHOOLS

Rank/School	Overall score	Peer assessment score (5.0=highest)	Recruiter assessment score (5.0=highest)	'09 average quantitative GRE score	'09 acceptance rate	'09 Ph.D. students/faculty	'09 faculty membership in National Academy of Engineering	'09 engineering school research expenditures (in millions)	'09 research expenditures per faculty member (in thousands)	Ph.D.'s granted 2008-2009	'09 total graduate engineering enrollment
1. Massachusetts Institute of Technology	100	4.9	4.9	780	17.9%	4.4	12.7%	\$266.3	\$727.5	302	2,702
2. Stanford University (CA)	98	4.8	4.7	777	27.6%	7.4	17.6%	\$175.8	\$806.3	247	3,399
3. University of California—Berkeley	90	4.8	4.5	776	14.0%	5.7	17.7%	\$161.5	\$651.3	268	1,768
4. Georgia Institute of Technology	86	4.5	4.4	772	31.3%	4.2	4.3%	\$257.3	\$514.6	363	4,530
5. University of Illinois—Urbana-Champaign	81	4.6	4.4	770	20.3%	4.2	4.0%	\$208.1	\$512.5	256	2,663
6. Carnegie Mellon University (PA)	79	4.3	4.3	759	29.1%	4.7	9.8%	\$170.6	\$779.0	171	2,240
7. California Institute of Technology	76	4.7	4.6	800	13.0%	5.1	8.7%	\$68.1	\$702.1	81	532
8. University of Michigan—Ann Arbor	75	4.5	4.2	773	32.5%	4.0	4.0%	\$164.3	\$494.8	263	2,660
9. University of Texas—Austin (Cockrell)	74	4.2	4.0	765	21.5%	4.0	7.6%	\$173.7	\$588.8	207	2,450
10. Cornell University (NY)	72	4.3	4.2	774	33.6%	4.4	9.8%	\$123.0	\$621.4	137	1,610
10. University of Southern California (Viterbi)	72	3.5	3.6	758	44.2%	5.2	8.9%	\$162.3	\$989.5	163	4,144
12. Texas A&M University—College Station (Look)	70	3.8	3.7	754	32.8%	2.9	2.8%	\$248.4	\$750.5	190	2,906
13. Purdue University—West Lafayette (IN)	69	4.2	4.1	763	31.1%	4.0	4.6%	\$157.2	\$456.9	227	2,625
13. University of California—San Diego (Jacobs)	69	3.8	3.8	775	27.8%	4.7	9.4%	\$133.4	\$737.0	132	1,345
15. University of California—Los Angeles (Samueli)	67	3.8	3.8	765	38.9%	5.6	13.5%	\$93.3	\$622.2	143	1,635
15. University of Wisconsin—Madison	67	4.0	4.0	780	17.6%	4.1	4.1%	\$140.4	\$629.5	144	1,750
17. Princeton University (NJ)	65	4.1	4.1	783	13.7%	3.9	13.4%	\$63.3	\$494.3	90	517
18. Columbia University (Fu Foundation) (NY)	64	3.6	3.7	774	34.2%	4.3	13.1%	\$110.8	\$774.8	94	1,841
19. Harvard University (MA)	63	3.6	3.9	770	10.5%	5.8	19.3%	\$39.2	\$699.3	46	356
19. University of California—Santa Barbara	63	3.6	3.7	765	21.7%	3.9	14.4%	\$100.2	\$726.1	90	671
21. Northwestern University (McCormick) (IL)	62	4.0	3.8	776	30.6%	4.2	5.1%	\$107.8	\$598.9	100	1,343
22. University of Maryland—College Park (Clark)	61	3.6	3.7	757	24.0%	4.1	2.2%	\$154.0	\$652.7	147	1,895
23. Pennsylvania State University—University Park	57	3.9	3.8	768	28.9%	3.0	0.6%	\$126.9	\$386.9	164	1,665
23. University of Pennsylvania	57	3.6	3.6	757	30.2%	4.0	7.5%	\$78.4	\$746.2	74	1,244
25. Johns Hopkins University (Whiting) (MD)	56	4.0	4.0	766	36.8%	4.4	2.1%	\$64.0	\$470.5	90	2,825
25. Ohio State University	56	3.6	3.6	765	24.6%	3.4	2.8%	\$128.1	\$516.5	143	1,587
25. Virginia Tech	56	3.8	3.9	744	20.3%	2.8	2.7%	\$121.2	\$341.5	154	2,032
28. University of Minnesota—Twin Cities	55	3.7	3.7	761	35.1%	4.3	4.8%	\$95.2	\$453.1	92	1,878
28. University of Washington	55	3.7	3.7	743	31.5%	3.8	6.0%	\$96.8	\$463.1	100	1,541
30. North Carolina State University	53	3.4	3.4	756	17.8%	2.8	3.6%	\$128.5	\$428.4	157	2,399
30. University of Florida	53	3.5	3.5	763	44.8%	4.5	0.7%	\$103.9	\$369.9	180	2,788
32. University of California—Davis	52	3.5	3.7	749	29.4%	4.1	5.7%	\$86.3	\$461.6	99	1,146
33. Duke University (Pratt) (NC)	51	3.6	3.6	769	23.6%	3.7	1.8%	\$69.9	\$618.6	58	745
33. Rice University (Brown) (TX)	51	3.6	3.8	768	17.4%	4.8	5.3%	\$40.8	\$381.4	68	624
35. Rensselaer Polytechnic Institute (NY)	49	3.5	4.0	752	28.5%	3.4	2.0%	\$56.7	\$354.6	77	1,054
36. University of California—Irvine (Samueli)	47	3.2	3.4	762	23.9%	3.9	3.9%	\$67.5	\$394.9	126	1,054
37. University of Rochester (NY)	46	2.8	3.0	765	19.7%	3.5	3.4%	\$87.1	\$1,025.1	40	460
37. Vanderbilt University (TN)	46	3.2	3.5	756	13.5%	3.9	2.4%	\$54.6	\$682.1	56	398
39. University of Colorado—Boulder	45	3.4	3.4	749	56.4%	3.9	4.5%	\$65.2	\$423.2	65	1,476
39. University of Virginia	45	3.3	3.4	762	17.6%	3.6	5.1%	\$58.6	\$415.4	63	728
39. Yale University (CT)	45	3.3	3.6	780	13.7%	2.8	9.5%	\$23.1	\$355.8	27	184
42. Boston University	44	3.0	3.3	763	35.9%	3.2	5.0%	\$75.6	\$619.7	68	646
42. Lehigh University (Rossin) (PA)	44	3.1	3.3	768	19.7%	5.3	9.8%	\$26.7	\$251.9	41	640
44. Arizona State University (Fulton)	42	3.1	3.3	762	45.1%	3.3	2.6%	\$70.3	\$357.1	125	2,002
45. Iowa State University	41	3.2	3.3	756	17.8%	2.4	1.3%	\$70.7	\$322.8	94	1,004
45. University of Delaware	41	3.0	3.4	756	10.5%	3.9	4.0%	\$41.5	\$334.4	65	689
47. Case Western Reserve University (OH)	39	3.2	3.4	737	31.9%	3.2	1.9%	\$43.2	\$400.2	62	630
48. Dartmouth College (Thayer) (NH)	38	3.1	3.4	770	24.9%	2.8	2.2%	\$20.1	\$428.4	17	262
48. University of Pittsburgh (Swanson)	38	2.9	3.2	746	35.7%	3.1	0.8%	\$68.1	\$527.6	56	838
48. Washington University in St. Louis	38	3.2	3.4	767	33.8%	3.7	2.6%	\$21.7	\$264.6	50	683

Sources: U.S. News, the schools. Assessment data collected by Synovate.

SPECIALTIES

PROGRAMS RANKED BEST BY ENGINEERING SCHOOL DEPARTMENT HEADS

Rank/School	Average assessment score (5.0=highest)
AEROSPACE/AERONAUTICAL/ASTRONAUTICAL	
1. California Institute of Technology	4.8
1. Massachusetts Institute of Technology	4.8
3. Stanford University (CA)	4.7
4. Georgia Institute of Technology	4.6
5. University of Michigan—Ann Arbor	4.5
6. Purdue University—West Lafayette (IN)	4.3
7. Princeton University (NJ)	4.0
7. University of Illinois—Urbana-Champaign	4.0
9. University of Maryland—College Park (Clark)	3.9
10. Texas A&M University—College Station (Look)	3.8
10. University of Texas—Austin (Cockrell)	3.8
BIOLOGICAL/AGRICULTURAL	
1. Purdue University—West Lafayette (IN)	4.6
1. University of Illinois—Urbana-Champaign	4.6
3. Texas A&M University—College Station (Look)	4.4
4. Cornell University (NY)	4.3
5. University of California—Davis	4.1
6. Iowa State University	4.0
7. University of Florida	3.8
7. Virginia Tech	3.8
9. North Carolina State University	3.6
9. Pennsylvania State University—University Park	3.6
9. University of Nebraska—Lincoln	3.6
BIOMEDICAL/BIOENGINEERING	
1. Johns Hopkins University (Whiting) (MD)	4.6
2. Georgia Institute of Technology	4.4
2. University of California—San Diego (Jacobs)	4.4
4. Duke University (Pratt) (NC)	4.3
5. University of Washington	4.2
6. Massachusetts Institute of Technology	4.1
6. University of Pennsylvania	4.1
8. Boston University	3.9
8. Rice University (Brown) (TX)	3.9
8. Stanford University (CA)	3.9
CHEMICAL	
1. Massachusetts Institute of Technology	4.9
2. University of California—Berkeley	4.8
3. California Institute of Technology	4.7
3. University of Minnesota—Twin Cities	4.7
5. Stanford University (CA)	4.5
6. Princeton University (NJ)	4.4
6. University of Texas—Austin (Cockrell)	4.4
6. University of Wisconsin—Madison	4.4
9. University of California—Santa Barbara	4.2
10. University of Delaware	4.1
CIVIL	
1. University of California—Berkeley	4.8
2. University of Illinois—Urbana-Champaign	4.6
3. Georgia Institute of Technology	4.4
3. Purdue University—West Lafayette (IN)	4.4
3. Stanford University (CA)	4.4
3. University of Texas—Austin (Cockrell)	4.4
7. Massachusetts Institute of Technology	4.3
8. University of Michigan—Ann Arbor	4.1
9. Virginia Tech	4.0
10. Carnegie Mellon University (PA)	3.9
10. Cornell University (NY)	3.9
ELECTRICAL/ELECTRONIC/COMMUNICATIONS	
1. Massachusetts Institute of Technology	5.0
2. Stanford University (CA)	4.9
2. University of California—Berkeley	4.9
4. University of Illinois—Urbana-Champaign	4.7
5. California Institute of Technology	4.6

Rank/School	Average assessment score (5.0=highest)
6. Georgia Institute of Technology	4.5
7. Carnegie Mellon University (PA)	4.4
7. University of Michigan—Ann Arbor	4.4
9. Cornell University (NY)	4.2
9. University of Texas—Austin (Cockrell)	4.2
ENVIRONMENTAL/ENVIRONMENTAL HEALTH	
1. Stanford University (CA)	4.7
1. University of California—Berkeley	4.7
3. University of Illinois—Urbana-Champaign	4.5
4. University of Texas—Austin (Cockrell)	4.4
5. Georgia Institute of Technology	4.3
6. University of Michigan—Ann Arbor	4.2
7. Carnegie Mellon University (PA)	4.1
7. Johns Hopkins University (Whiting) (MD)	4.1
7. Virginia Tech	4.1
10. Massachusetts Institute of Technology	3.9
INDUSTRIAL/MANUFACTURING	
1. Georgia Institute of Technology	4.9
2. University of Michigan—Ann Arbor	4.6
3. University of California—Berkeley	4.4
4. Northwestern University (McCormick) (IL)	4.2
4. Pennsylvania State University—University Park	4.2
4. Stanford University (CA)	4.2
4. Virginia Tech	4.2
8. Cornell University (NY)	4.0
8. Texas A&M University—College Station (Look)	4.0
10. Purdue University—West Lafayette (IN)	3.9
10. University of Wisconsin—Madison	3.9
MATERIALS	
1. Massachusetts Institute of Technology	4.9
2. University of Illinois—Urbana-Champaign	4.7
3. Northwestern University (McCormick) (IL)	4.6
4. University of California—Santa Barbara	4.5
5. Stanford University (CA)	4.4
5. University of California—Berkeley	4.4
7. University of Michigan—Ann Arbor	4.2
8. Cornell University (NY)	4.1
8. Georgia Institute of Technology	4.1
8. Pennsylvania State University—University Park	4.1
8. University of Florida	4.1
MECHANICAL	
1. Massachusetts Institute of Technology	5.0
2. Stanford University (CA)	4.8
2. University of California—Berkeley	4.8
4. California Institute of Technology	4.7
5. University of Michigan—Ann Arbor	4.6
6. Georgia Institute of Technology	4.5
6. University of Illinois—Urbana-Champaign	4.5
8. Cornell University (NY)	4.3
9. Purdue University—West Lafayette (IN)	4.2
10. Princeton University (NJ)	4.1
NUCLEAR	
1. University of Michigan—Ann Arbor	4.8
2. University of Wisconsin—Madison	4.5
3. Massachusetts Institute of Technology	4.4
4. Texas A&M University—College Station (Look)	4.3
5. Pennsylvania State University—University Park	3.9
5. University of California—Berkeley	3.9
7. North Carolina State University	3.8
8. Georgia Institute of Technology	3.5
9. Oregon State University	3.3
9. University of Florida	3.3
9. University of Tennessee—Knoxville	3.3

METHODOLOGY

Programs at the 198 engineering schools that grant doctoral degrees were surveyed; 192 responded; 192 were eligible to be included in the rankings based on a weighted average of the 10 indicators described below. (All schools are listed in the directory, beginning on Page 81.)

Quality assessment (weighted by .40): Two surveys were conducted in fall 2009. Engineering school deans and deans of graduate studies at engineering schools were each asked to rate program quality from marginal (1) to outstanding (5); 59 percent responded. The resulting score is weighted by .25. Corporate recruiters and company contacts who hire engineers with graduate degrees from previously ranked engineering schools were also asked to rate programs; 22 percent responded. The two most recent years' corporate recruiter surveys were averaged and are weighted by .15.

Student selectivity (.10): The strength of master's and Ph.D. students entering in fall 2009 was measured by mean GRE quantitative score (67.5 percent) and acceptance rate (32.5 percent).

Faculty resources (.25): Based on the 2009 ratio of full-time doctoral students to full-time faculty (30 percent) and full-time master's students to full-time faculty (15 percent); the proportion of full-time faculty who were members of the National Academy of Engineering in 2009 (30 percent); and the number of engineering doctoral degrees granted in the past school year (25 percent).

Research activity (.25): Based on total externally funded engineering research expenditures (60 percent) and research dollars per full-time tenured and tenure-track engineering faculty member (40 percent). Expenditures refer to separately funded research, public and private, conducted by the school, averaged over fiscal years 2008 and 2009.

Overall rank: Data were standardized about their means, and standardized scores were weighted, totaled, and rescaled so that the top-scoring school received 100; others received their percentage of the top score.

Specialty rankings: These rankings in 11 engineering disciplines are based solely on assessments by department heads in each specialty area. They rated the other schools that offered the specialty on a 5-point scale. Those schools with the highest average scores appear here. Names of the department heads surveyed came from the American Society for Engineering Education.