

ENGINEERING BY THE NUMBERS

BY MICHAEL T. GIBBONS

Engineering bachelor's degrees grew by 5.3 percent during the past year, reaching 78,347 in 2010. This was a marked improvement from the 1 percent total growth from 2005 to 2009, but it had been anticipated based on a 23 percent rise in undergraduate enrollment since 2005. Degree production will increase further in the coming years, since enrollment continued its upward trend in fall 2010, posting a 5.4 percent gain to 450,685.

Many fields sustained their recent growth trends, including aerospace, civil, environmental, mechanical, metallurgical and materials engineering. Chemical engineering degrees continued to rebound from earlier declines, climbing by one third since 2006. The energy-related fields of mining, nuclear and petroleum engineering have also witnessed greater output, jumping by 183 percent since 2003. At the same time, electrical and computer engineering degrees declined for the sixth consecutive year. This latter trend should ebb soon, based on the past three years of enrollment growth in these fields.

Master's degrees reached another all-time high of 43,023 in 2010 due to 16 percent growth over the previous year. This trend will certainly continue, since enrollment grew for the sixth year in a row. Fall 2010 master's enrollment stood at 103,335, which is 25 percent higher than the 2005 mark. Almost all engineering fields fared well in recent years at the master's level. The exceptions might be industrial and manufacturing engineering and the electrical/computer engineering/computer science fields, which have seen little overall growth amid fluctuations since the mid-2000s.

Doctoral degrees dipped by 1 percent last year after three years of virtually identical totals. The 2010 mark of 8,995 engineering doctorates is just 91 short of the all-time high. With eleven consecutive years of enrollment growth, doctoral degree production should remain strong. Most fields have remained steady over the past four years, with the notable exception of biomedical engineering, which has grown by 37 percent. Several other fields have ticked up or down slightly. Electrical and computer engineering stand out among this crowd, dropping by 8.6 percent during this period. The enrollment data indicate that this negative trend is only temporary in these disciplines.

Nonresident aliens increased their share of engineering master's degrees for the third consecutive year, reaching 46.1 percent. However, their proportion of doctoral degrees has declined since reaching a high point of 61.7 percent in 2006. The 54.2 percent of doctorates awarded to nonresident aliens in 2010 is the lowest mark since 2002.

Women received a higher percentage of engineering bachelor's degrees for the first time since 2002, climbing from 17.8 percent in 2009 to 18.1 percent in 2010. Female enrollment edged forward in 2010 for the third straight year, reaching 18.6 percent after hitting a recent low of 17.5 percent in 2007. Female representation at the master's level maintained its decade-long equilibrium. The 22.6 percent of master's degrees awarded to women is slightly below the record 23 percent posted in 2008 and 2009. A higher percentage of engineering doctorates went to women last year than at any time in the past. The 22.9 percent mark set in 2010 is 44 percent higher than the 15.9 percent share posted in 2000.

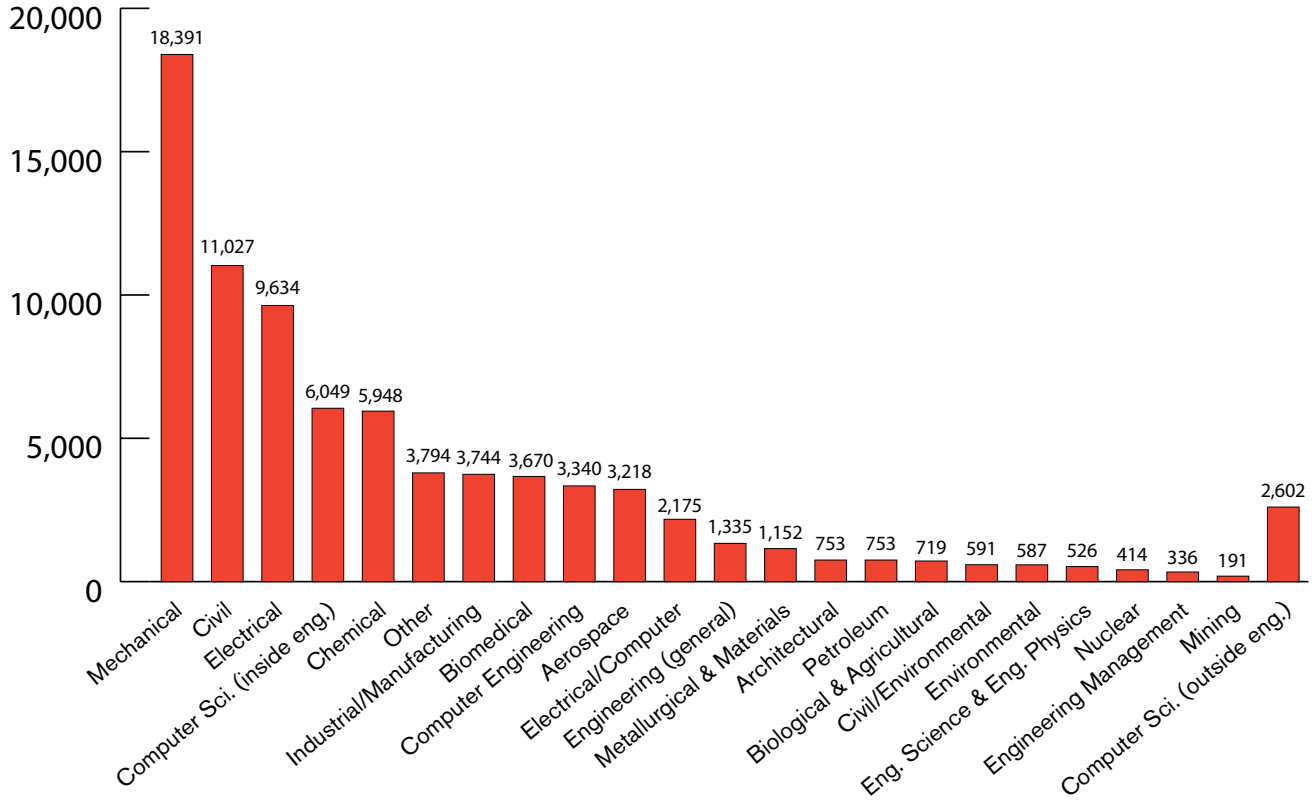
For this year's survey, ASEE adopted the government-mandated changes to the race and ethnicity fields for permanent U.S. residents. These match the demographics used in the 2010 U.S. Census. At the undergraduate level, the trends are consistent with past years. African Americans received 4.5 percent of degrees, which continued a gradual decline. Hispanic students received a higher percentage of engineering bachelor's degrees for the seventh consecutive year, reaching 7 percent of the total. Asian American representation dipped to 12.2 percent after reaching 14.2 percent in 2004. At the master's level, African American and Hispanic representation both rose slightly to 5.1 and 6 percent, respectively. Asian American awards fell by two-tenths to 14.9 percent. At the doctoral level, African Americans and Hispanics both received 3.8 percent of degrees in 2009. These shares jumped to 4.4 and 5.2 percent, respectively, the following year. Although recent trends pointed in this direction, the change in students classified as Other/Unknown probably pushed these percentages higher. The Other/Unknown representation declined from 17.6 percent in 2009 to 10.7 percent in 2010.

Women comprise 13.2 percent of tenured and tenure-track faculty as of fall 2010. Ten years of increases have slowly raised this mark, which stood at 8.9 percent in 2001. The increases are present at all faculty levels. Growth for underrepresented minorities is less evident. African American faculty members have comprised 2.5 percent of the total for the past four years. Hispanic faculty representation has only grown from 3 percent in 2001 to 3.6 percent in 2010. Asian faculty members have increased steadily each year, reaching 23.9 percent of the total.

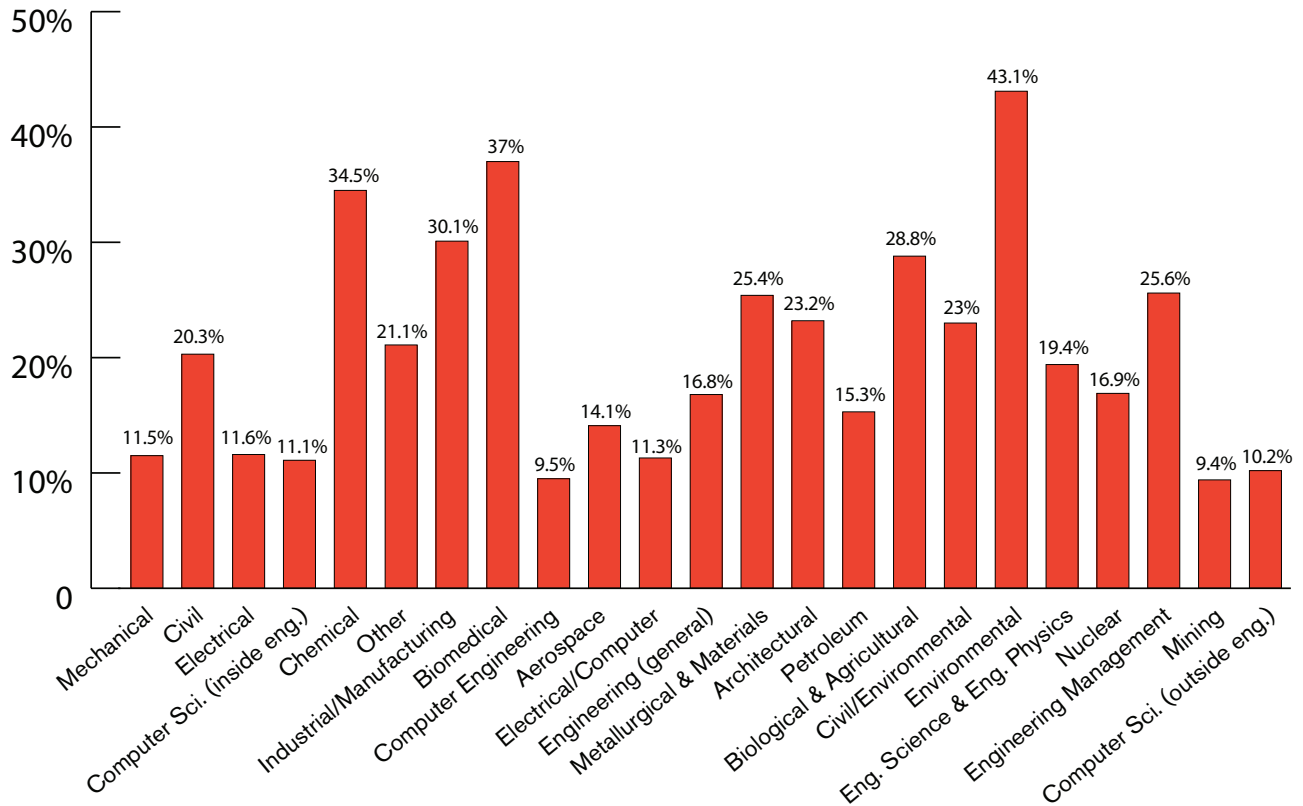
More detailed data for 347 U.S. and 11 Canadian engineering colleges can be found in the following pages of our 2010 *Profiles of Engineering and Engineering Technology Colleges* book or online at www.asee.org/colleges.

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BACHELOR'S DEGREES AWARDED BY ENGINEERING DISCIPLINE: 78,347



PERCENTAGE OF BACHELOR'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 18.1% OF TOTAL

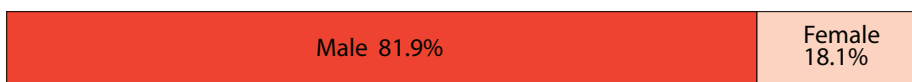


ENGINEERING BACHELOR'S DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	1,644
2. Pennsylvania State University	1,359
3. Purdue University	1,308
4. University of Michigan	1,251
5. Univ. of Illinois, Urbana-Champaign	1,220
6. Virginia Tech	1,182
7. Texas A&M University	1,111
8. North Carolina State University	1,086
9. University of Texas, Austin	985
10. University of Florida	982
11. California Poly. State U., SLO	902
12. Ohio State University	891
13. University of California, Berkeley	874
14. Iowa State University	866
15. University of Minnesota, Twin Cities	845
16. University of Washington	789
17. Cornell University	767
18. Missouri Univ. of Science and Tech.	740
19. Rensselaer Polytechnic Institute	739
20. University of California, San Diego	737
21. Colorado School of Mines	667
22. Michigan Technological University	661
23. Arizona State University	645
24. University of California, Los Angeles	634
25. University of Colorado at Boulder	615
26. University of Puerto Rico, Mayaguez	614
27. Clemson University	605
28. Drexel University	600
29. University of Central Florida	599
30. University of Maryland, College Park	597
31. University of Wisconsin, Madison	592
32. Massachusetts Inst. of Technology	581
33. Oregon State University	561
34. Louisiana State University	545
35. Rutgers University	535
36. California State Poly. U., Pomona	532
37. University of California, Davis	518
38. Florida International University	496
39. University of California, Irvine	488
40. Michigan State University	483
41. Texas Tech University	481
42. University of Arizona	477
43. University of Virginia	469
44. Auburn University	466
45. SUNY, Buffalo	462
46. Worcester Polytechnic Institute	446
47. University of Southern California	442
48. University of Nebraska, Lincoln	430
49. San Jose State University	425
50. University of South Florida	420

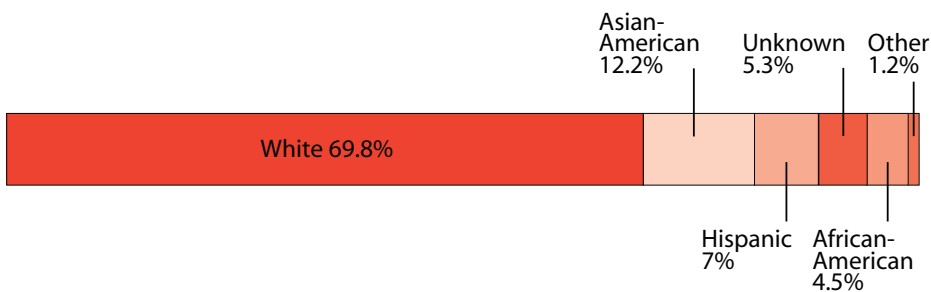
344 schools reported.

BACHELOR'S DEGREES BY GENDER, 2010



	2001	2002	2003	2004	2005	2006	2007	2008	2009
Female	19.9%	20.9%	20.4%	20.3%	19.5%	19.3%	18.1%	18.0%	17.8%
Male	80.1%	79.1%	79.6%	79.7%	80.5%	80.7%	81.9%	82.0%	82.2%

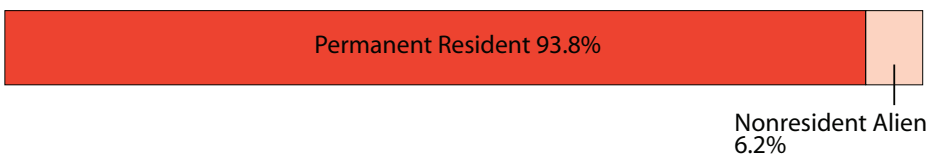
BACHELOR'S DEGREES BY ETHNICITY, 2010*



	2001	2002	2003	2004	2005	2006	2007	2008	2009
African American	5.3%	5.4%	5.1%	5.1%	5.3%	5.0%	4.9%	4.7%	4.6%
Hispanic	5.4%	5.5%	5.4%	5.6%	5.8%	6.0%	6.2%	6.5%	6.6%
Other	9.0%	7.3%	7.2%	8.0%	8.6%	8.5%	8.3%	8.9%	11.0%
Asian American	14.1%	14.2%	14.0%	14.2%	14.1%	13.8%	13.3%	13.0%	12.4%
Caucasian	66.2%	67.6%	68.3%	67.1%	66.2%	66.7%	67.3%	66.9%	65.4%

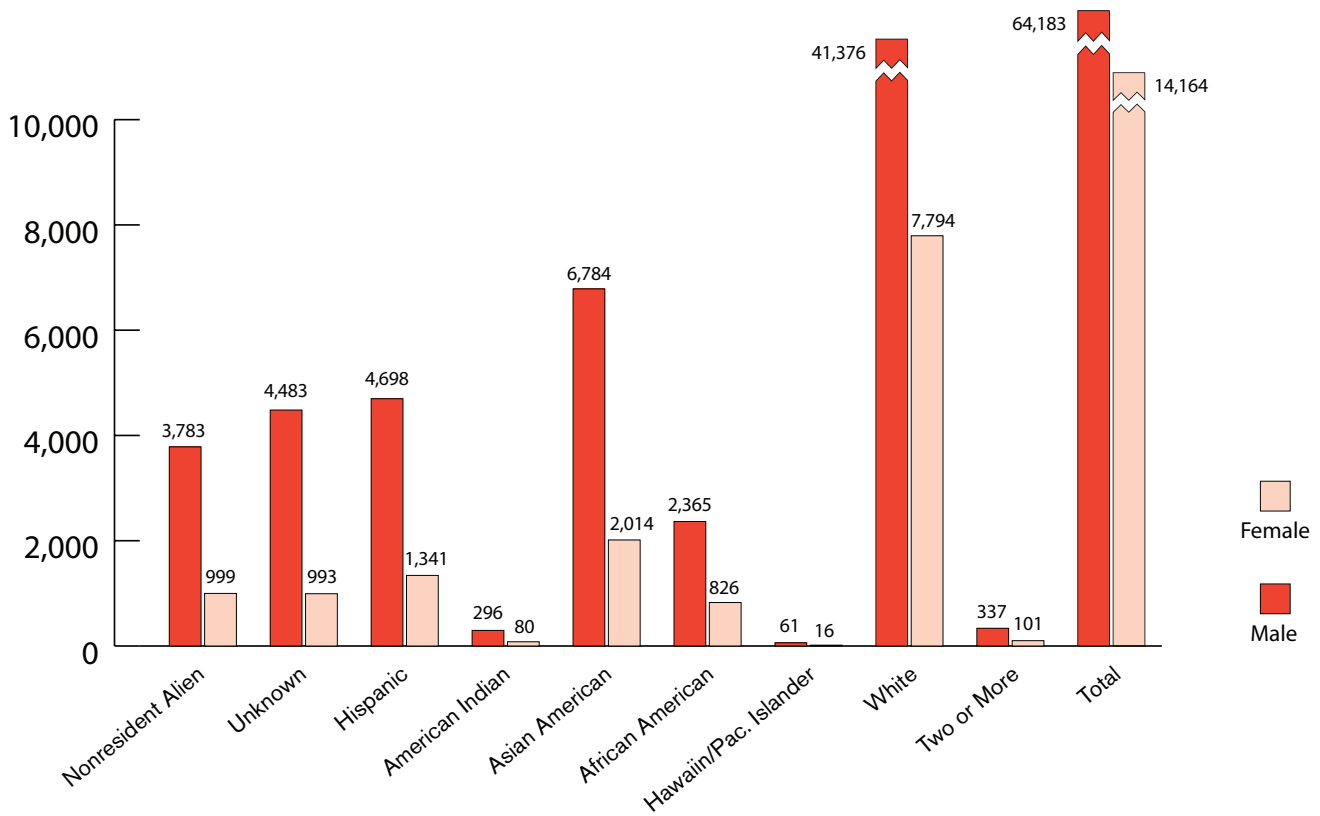
* data on ethnicity does not include schools from Puerto Rico or foreign nationals. The percentage of Hispanic graduates is 8.3% if the two schools from Puerto Rico are included. American Indians (0.5%), Hawaiian/Pacific Islanders (0.1%) and Two or More (0.6%) are combined under Other. Fourteen institutions reported virtually all of their U.S. residents in the Unknown category or they reported all White students in the Unknown field. These institutions were removed from the calculations for race and ethnicity.

BACHELOR'S DEGREES BY RESIDENCY, 2010



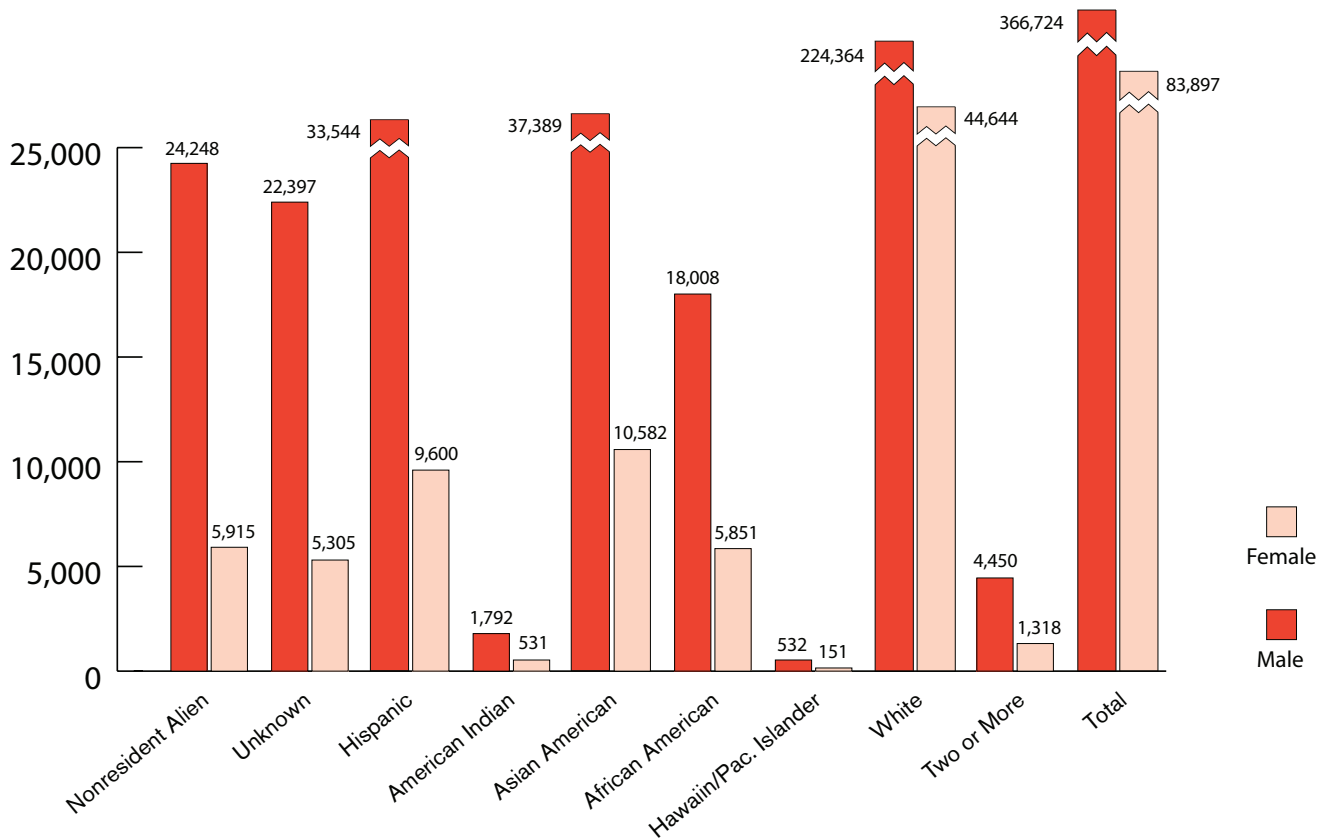
	2001	2002	2003	2004	2005	2006	2007	2008	2009
Foreign National	7.5%	7.2%	7.7%	7.8%	7.5%	7.2%	6.7%	6.0%	6.0%
Domestic	92.5%	92.8%	92.3%	92.2%	92.5%	92.8%	93.3%	94.0%	94.0%

BACHELOR'S DEGREES AWARDED BY ETHNICITY AND GENDER: 78,347*



* Includes 686 male and 328 female graduates from schools in Puerto Rico. Also includes 14 institutions that counted virtually all permanent residents in the Unknown category.

UNDERGRADUATE ENROLLMENT BY ETHNICITY AND GENDER: 450,621*



* Includes 4,590 male and 1,930 female enrolled students from schools in Puerto Rico. Enrollment is for full-time students. Also includes 16 institutions that counted virtually all permanent residents in the Unknown category.

BACHELOR'S DEGREES AWARDED TO WOMEN BY SCHOOL

1. Georgia Institute of Technology	355
2. University of Michigan	283
3. University of Puerto Rico, Mayaguez	243
4. Texas A&M University	227
5. Massachusetts Inst. of Technology	223
6. Pennsylvania State University	220
7. University of Florida	217
8. Cornell University	215
9. Purdue University	213
10. University of Texas, Austin	191
11. University of California, Berkeley	186
12. Virginia Tech	180
13. Univ. of Illinois, Urbana-Champaign	177
14. University of California, San Diego	175
15. North Carolina State University	165
16. University of Washington	164
17. Rensselaer Polytechnic Institute	158
18. Colorado School of Mines	155
19. University of California, Los Angeles	145
20. University of Virginia	139
21. California Poly. State U., SLO	132
22. University of Colorado, Boulder	131
23. Ohio State University	129
24. Missouri Univ. of Science and Tech.	127
25. University of Maryland, College Park	126
26. Univ. of Minnesota, Twin Cities	123
27. Columbia University	122
28. Michigan Technological University	118
28. University of Southern California	118
30. Iowa State University	116
31. Johns Hopkins University	115
32. University of Wisconsin, Madison	114
33. Arizona State University	11
34. Clemson University	107
34. Worcester Polytechnic Institute	107
36. Florida International University	106
37. University of Pennsylvania	103
38. Stanford University	101
39. Drexel University	100
40. University of California, Irvine	97
41. University of California, Davis	93
42. University of Arizona	91
43. Carnegie Mellon University	90
43. University of Central Florida	90
43. Stony Brook University	90
46. Northwestern University	88
47. Oregon State University	86
48. Rutgers University	86
49. Polytechnic Univ. of Puerto Rico	85
50. Rose-Hulman Inst. of Technology	83

344 schools reported.

PERCENTAGE OF BACHELOR'S DEGREES AWARDED TO WOMEN BY SCHOOL*

1. Tuskegee University	41.8%
2. Franklin W. Olin College of Eng.	40.6%
3. University of Puerto Rico, Mayaguez	39.6%
4. George Washington University	38.8%
5. Yale University	38.7%
6. Massachusetts Inst. of Technology	38.4%
7. Brown University	36.8%
8. Johns Hopkins University	36.1%
9. Howard University	35.3%
10. North Carolina A&T State Univ.	32.1%
11. Princeton University	32.0%
11. William Marsh Rice University	32.0%
13. Southern Methodist University	31.9%
14. California Institute of Technology	31.5%
15. Columbia University	31.3%
16. University of Virginia	29.6%
17. Harvard University	28.6%
18. University of Pennsylvania	28.1%
18. Northwestern University	28.1%
20. Cornell University	28.0%

* Minimum of 50 B.S. degrees awarded
265 schools fit this criterion.**BACHELOR'S DEGREES AWARDED TO AFRICAN-AMERICANS BY SCHOOL**

1. North Carolina A&T State Univ.	177
2. Georgia Institute of Technology	106
3. Prairie View A&M University	86
4. Alabama A&M University	77
4. Morgan State University	77
6. North Carolina State University	61
7. City College of the CUNY	54
8. Southern Univ. and A&M College	53
8. Tuskegee University	53
10. University of Florida	51
11. Clemson University	48
11. Massachusetts Inst. of Technology	48
11. University of Michigan	48
14. FAMU-FSU College of Eng.	47
14. Florida International University	47
16. University of Maryland, College Park	44
17. Missouri Univ. of Science and Tech.	38
17. University of Central Florida	38
19. Rutgers University	37
20. Auburn University	35

344 schools reported.

BACHELOR'S DEGREES AWARDED TO ASIAN-AMERICANS BY SCHOOL

1. University of California, Berkeley	475
2. University of California, San Diego	346
3. University of California, Los Angeles	310
4. Georgia Institute of Technology	257
5. University of California, Davis	251
6. University of Texas, Austin	203
7. University of Washington	185
8. Rutgers University	182
9. Cornell University	180
10. California State Poly. U., Pomona	178
10. Univ. of Illinois, Urbana-Champaign	178
12. San Jose State University	163
13. University of Michigan	159
14. California Poly. State U., SLO	148
14. University of Southern California	148
16. Massachusetts Inst. of Technology	146
17. Stony Brook University	125
18. Columbia University	115
18. University of Maryland, College Park	115
20. Johns Hopkins University	104

344 schools reported.

BACHELOR'S DEGREES AWARDED TO HISPANICS BY SCHOOL

1. Univ. of Puerto Rico, Mayaguez	614
2. Polytechnic Univ. of Puerto Rico	400
3. Florida International University	313
4. University of Texas, El Paso	218
5. University of Florida	168
6. California State Poly. U., Pomona	133
6. Texas A&M University	133
8. University of Texas, Austin	121
9. University of Texas, Pan American	113
10. California Poly. State U., SLO	103
11. University of Texas, San Antonio	90
12. Texas A&M University, Kingsville	88
13. Arizona State University	85
14. Georgia Institute of Technology	84
15. University of Central Florida	83
16. City College of the CUNY	81
17. Massachusetts Institute of Technology	73
18. San Jose State University	71
19. University of California, San Diego	65
20. New Mexico State University	63

344 schools reported.

AEROSPACE ENGINEERING DEGREES AWARDED BY SCHOOL

1. Embry-Riddle Aero. U, Daytona Beach	214
2. Georgia Institute of Technology	139
3. Purdue University	137
4. University of Michigan	118
5. University of Texas, Austin	97
6. Iowa State University	94
7. Pennsylvania State University	93
8. Rensselaer Polytechnic Institute	88
9. University of Minnesota, Twin Cities	84
10. Virginia Tech	81
11. Embry-Riddle Aero. U., Prescott	80
12. University of California, San Diego	76
13. U.S. Naval Academy	74
14. University of Colorado, Boulder	71
15. U.S. Air Force Academy	66
16. North Carolina State University	63
17. University of Florida	61
17. Texas A&M University	61
19. California Poly. State U., SLO	58
20. Univ. of Illinois, Urbana-Champaign	57

65 schools reported.

BIOMEDICAL ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of California, San Diego	149
2. Georgia Institute of Technology	143
3. Duke University	118
4. University of California, Berkeley	115
5. Johns Hopkins University	103
6. Boston University	97
7. University of California, Irvine	95
8. Rutgers University	93
9. Case Western Reserve University	88
10. University of Pennsylvania	86
11. Drexel University	80
12. University of Texas, Austin	79
13. University of Michigan	77
14. University of Iowa	76
15. University of Minnesota, Twin Cities	71
16. Washington University	67
17. University of Southern California	65
18. Rensselaer Polytechnic Institute	60
19. Arizona State University	58
20. Marquette University	56
20. Michigan Technological University	56
20. University of Virginia	56

90 schools reported.

CHEMICAL ENGINEERING DEGREES AWARDED BY SCHOOL

1. Purdue University	142
2. Texas A&M University	134
3. University of Michigan	128
4. University of Texas, Austin	124
5. Pennsylvania State University	107
6. Georgia Institute of Technology	100
6. University of Minnesota, Twin Cities	100
8. Ohio State University	96
9. North Carolina State University	91
9. Univ. of Puerto Rico, Mayaguez	91
11. Cornell University	85
12. University of California, Los Angeles	84
13. University of California, Berkeley	83
14. Johns Hopkins University	80
15. Univ. of Illinois, Urbana-Champaign	78
16. University of Colorado, Boulder	77
17. Massachusetts Inst. of Technology	75
18. University of Florida	74
19. Rose-Hulman Inst. of Technology	73
20. Carnegie Mellon University	71
20. Colorado School of Mines	71
22. University of California, Davis	68
23. Michigan State University	64
24. Iowa State University	63
25. Missouri Univ. of Science and Tech.	60
25. University of Washington	60
27. Michigan Technological University	57
27. Rutgers University	57
27. Virginia Tech	57
30. Worcester Polytechnic Institute	55
31. Louisiana State University	54
32. University of California, San Diego	53
32. Villanova University	53
34. University of Dayton	52
35. Brigham Young University	51
35. Drexel University	51
35. Rensselaer Polytechnic Institute	51
38. University of Pittsburgh	50
39. University of Pennsylvania	49
39. University of Wisconsin, Madison	49
41. University of Kansas	45
41. Univ. of Massachusetts, Amherst	45
43. Univ. of Maryland, College Park	44
43. Oklahoma State University	44
45. Arizona State University	43
46. University of Alabama	42
46. University of Arizona	42
46. University of Oklahoma	42
49. Oregon State University	41
49. University of Virginia	41

158 schools reported.

CIVIL ENGINEERING DEGREES AWARDED BY SCHOOL

1. Pennsylvania State University	221
2. Virginia Tech	213
3. North Carolina State University	205
4. Texas A&M University	203
5. University of Florida	196
6. Georgia Institute of Technology	193
7. Purdue University	177
8. California State Poly. U., Pomona	164
9. Univ. of Illinois, Urbana-Champaign	158
10. California Polytechnic State U., SLO	146
10. Clemson University	146
12. University of California, Davis	142
13. Polytechnic Univ. of Puerto Rico	125
14. University of Puerto Rico, Mayaguez	122
15. Washington State University	113
16. University of California, Berkeley	110
16. Michigan Technological University	110
18. University of Washington	105
19. FAMU-FSU College of Engineering	104
19. Iowa State University	104
21. University of Minnesota, Twin Cities	100
22. Missouri Univ. of Science and Tech.	99
22. Ohio State University	99
22. Texas Tech University	99
25. San Jose State University	97
26. University of South Florida	95
26. University of Texas, Austin	95
28. California State University, Sacramento	94
28. University of Nebraska, Lincoln	94
28. San Diego State University	94
31. University of Maryland, College Park	92
32. University of California, San Diego	91
33. Oregon State University	90
34. University of California, Irvine	89
35. University of Alabama	87
35. Auburn University	87
35. Northeastern University	87
38. California State University, Northridge	84
39. University of California, Los Angeles	83
39. University of Central Florida	83
41. University of Michigan	82
41. Rutgers University	82
43. University of Wisconsin, Madison	81
44. Florida International University	80
44. Louisiana State University	80
44. University of New Hampshire	80
47. Drexel University	78
48. Brigham Young University	77
48. Michigan State University	77
50. University of Missouri	75
50. University of Pittsburgh	75

212 schools reported.

**INDUSTRIAL/MANUFACTURING
ENGINEERING DEGREES AWARDED
BY SCHOOL**

1. Georgia Institute of Technology	302
2. University of Michigan	170
3. Purdue University	142
4. Pennsylvania State University	134
5. Texas A&M University	105
5. Virginia Tech	105
7. University of Florida	100
8. Cornell University	94
8. Iowa State University	94
10. Univ. of Puerto Rico, Mayaguez	92
11. Columbia University	87
12. Northwestern University	73
13. University of Wisconsin, Madison	72
14. Ohio State University	70
15. California Poly. State U., SLO	64
16. Stanford University	58
17. University of California, Berkeley	55
18. Clemson University	54
18. University of Pittsburgh	54
20. Auburn University	52
21. West Virginia University	50
22. Rensselaer Polytechnic Institute	48
22. University of Washington	48
24. Oregon State University	47
24. Polytechnic Univ. of Puerto Rico	47
26. Lehigh University	45
26. University of Oklahoma	45
28. University of Central Florida	40
29. Florida International University	39
30. North Carolina State University	38
31. Arizona State University	36
31. California State Poly. U., Pomona	36
33. North Dakota State University	35
34. Rochester Institute of Technology	34
34. University of Southern California	34
36. Lamar University	31
37. Rutgers University	30
37. University of Texas, El Paso	30
39. Kettering University	29
39. Mississippi State University	29
41. University of Missouri	28
42. University of Houston	26
42. Oklahoma State University	26
44. University of Arkansas	25
44. Texas Tech University	25
46. Kansas State University	24
47. SUNY, Buffalo	23
47. Northeastern University	23
49. South Dakota School of Mines and Tech.	22
49. University of South Florida	22

111 schools reported.

**MECHANICAL ENGINEERING
DEGREES AWARDED BY SCHOOL**

1. Georgia Institute of Technology	387
2. Purdue University	280
3. Virginia Tech	274
4. Kettering University	248
5. Pennsylvania State University	247
6. University of Michigan	242
7. Ohio State University	224
8. Iowa State University	220
9. Michigan Technological University	219
10. University of Florida	218
10. University of Texas, Austin	218
12. North Carolina State University	211
13. Texas A&M University	198
14. University of Maryland, College Park	193
15. Missouri Univ. of Science and Tech.	188
15. Rensselaer Polytechnic Institute	188
17. University of Minnesota , Twin Cities	186
18. California Poly. State U., SLO	180
19. Univ. of Illinois, Urbana-Champaign	172
20. University of Wisconsin, Madison	171
21. University of California, San Diego	166
22. University of California, Berkeley	158
23. Clemson University	155
24. Texas Tech University	151
25. University of Central Florida	150
25. Worcester Polytechnic Institute	150
27. SUNY, Buffalo	145
28. Brigham Young University	139
29. Rose-Hulman Institute of Technology	138
30. University of Colorado, Boulder	137
31. Cornell University	136
31. Massachusetts Inst. of Technology	136
33. Drexel University	131
34. Rochester Institute of Technology	129
35. University of Kentucky	125
36. Rutgers University	124
37. Arizona State University	121
38. University of California, Los Angeles	118
38. Northeastern University	118
40. Michigan State University	116
41. Milwaukee School of Engineering	113
42. University of California, Irvine	112
42. University of Utah	112
44. New Jersey Institute of Technology	111
45. California State Poly. U, Pomona	108
46. West Virginia University	107
47. University of South Florida	105
48. Oklahoma State University	99
48. University of Puerto Rico, Mayaguez	99
48. University of California, Davis	98
48. University of Connecticut	98
48. Univ. of North Carolina, Charlotte	98
48. San Jose State University	98

279 schools reported.

**ELECTRICAL ENGINEERING
DEGREES AWARDED BY SCHOOL**

1. Georgia Institute of Technology	220
2. Univ. of Illinois, Urbana-Champaign	202
3. Purdue University	193
4. University of Washington	164
5. Pennsylvania State University	141
6. University of Texas, Dallas	136
7. North Carolina State University	129
8. University of California, Los Angeles	128
9. California Poly. State U., SLO	127
10. University of Minnesota , Twin Cities	123
11. California State Poly. U., Pomona	110
12. University of Puerto Rico, Mayaguez	109
13. Michigan Technological University	104
14. University of Texas, El Paso	103
14. Virginia Tech	103
16. San Jose State University	102
17. Rensselaer Polytechnic Institute	100
18. University of Maryland, College Park	94
18. University of Michigan	94
20. University of California, San Diego	92
20. Polytechnic Univ. of Puerto Rico	92
22. University of Central Florida	91
23. Arizona State University	90
24. University of Florida	88
24. Texas A&M University	88
26. City College of the CUNY	87
27. Missouri Univ. of Science and Tech.	83
28. University of South Florida	77
29. Iowa State University	72
30. Louisiana State University	70
31. North Dakota State University	69
32. Auburn University	68
32. Drexel University	68
34. University of Arizona	66
34. University of California, Davis	66
34. Rochester Institute of Technology	66
37. University of Alabama, Huntsville	65
38. Polytechnic Institute of NYU	64
39. Clemson University	62
39. Morgan State University	62
39. Northeastern University	62
42. SUNY, Buffalo	61
42. San Francisco State University	61
44. George Mason University	60
44. Washington State University	60
44. University of Wisconsin, Madison	60
47. Florida International University	58
47. University of Southern California	58
49. University of Texas, Arlington	56
50. Kettering University	55

250 schools reported.

COMPUTER ENGINEERING DEGREES AWARDED BY SCHOOL

1. North Carolina State University	78
1. Virginia Tech	78
3. Georgia Institute of Technology	75
4. University of Michigan	72
5. Iowa State University	70
6. Univ. of Illinois, Urbana-Champaign	67
7. Univ. of Puerto Rico, Mayaguez	66
8. University of Florida	65
8. Purdue University	65
10. Rensselaer Polytechnic Institute	61
11. University of Utah	59
12. Arizona State University	57
12. San Jose State University	57
14. Rochester Institute of Technology	55
15. California Poly. State U., SLO	49
15. Pennsylvania State University	49
17. University of Central Florida	47
18. Missouri Univ. of Science and Tech	42
19. Drexel University	41
20. University of Pittsburgh	40
20. University of Washington	40
22. California State University, Long Beach	37
22. University of Maryland, College Park	37
24. Florida International University	35
24. University of Missouri	35
26. California State Poly. U., Pomona	33
26. University of Minnesota, Twin Cities	33
28. Michigan Technological University	32
28. San Diego State University	32
30. Clemson University	30
31. Case Western Reserve University	29
31. Polytechnic Univ. of Puerto Rico	29
31. University of South Florida	29
34. University of Michigan, Dearborn	28
34. Polytechnic Institute of NYU	28
34. Stevens Institute of Technology	28
37. Florida Atlantic University	27
37. Milwaukee School of Engineering	27
37. New Jersey Institute of Technology	27
40. University of Virginia	26
40. West Virginia University	26
40. University of Wisconsin, Madison	26
43. University of Arizona	25
43. Illinois Institute of Technology	25
45. University of California, Santa Cruz	24
45. City College of the CUNY	24
47. Boston University	23
47. University of California, Santa Barbara	23
47. Clarkson University	23
47. Univ. of Maryland, Baltimore County	23
47. North Dakota State University	23
47. Northeastern University	23

177 schools reported.

ELECTRICAL/COMPUTER ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of Texas, Austin	216
2. University of California, Berkeley	188
3. Carnegie Mellon University	151
4. Ohio State University	149
5. Rutgers University	103
6. Cornell University	100
7. Brigham Young University	89
8. Worcester Polytechnic Institute	73
9. Massachusetts Inst. of Technology	68
10. Oregon State University	53
11. University of Texas, San Antonio	52
12. Temple University	51
13. Southern Illinois Univ., Carbondale	46
14. University of California, Los Angeles	45
15. Duke University	44
16. University of Minnesota, Duluth	40
17. New York Institute of Technology	39
18. University of Colorado, Boulder	38
19. University of Pennsylvania	37
19. Texas A&M University	37

55 schools reported.

COMPUTER SCIENCE (OUTSIDE ENG.) DEGREES AWARDED BY SCHOOL*

1. Georgia Institute of Technology	179
2. Rutgers University	175
3. University of Texas at Austin	167
4. University of California, Irvine	166
5. Carnegie Mellon University	162
6. New Jersey Institute of Technology	143
7. University of Maryland, College Park	122
8. Rochester Institute of Technology	114
9. University of Wisconsin, Madison	93
10. Rensselaer Polytechnic Institute	92
11. University of California, Berkeley	84
12. Purdue University	70
13. University of Arizona	67
13. Brigham Young University	67
15. Worcester Polytechnic Institute	64
16. Northeastern University	63
17. Univ. of Massachusetts Amherst	59
18. Michigan Technological University	52
19. Missouri Univ. of Science and Tech.	47
20. University of California, Davis	46

51 schools reported.
*ASEE collects only a fraction of all computer science degrees awarded outside of engineering colleges.

COMPUTER SCIENCE (INSIDE ENG.) DEGREES AWARDED BY SCHOOL

1. Univ. of Illinois, Urbana-Champaign	156
2. University of Washington	135
3. Florida International University	133
4. University of Texas, Dallas	129
5. University of Central Florida	126
6. University of Minnesota, Twin Cities	121
7. University of Michigan	108
8. Massachusetts Inst. of Technology	106
9. North Carolina State University	102
10. Virginia Technic	101
11. Stony Brook University	96
12. Univ. of Maryland, Baltimore County	95
13. University of California, San Diego	93
14. Cornell University	89
15. Stanford University	86
16. Ohio State University	84
17. Arizona State University	82
18. SUNY, Binghamton	81
19. University of Pennsylvania	79
20. University of Southern California	74
21. California Poly. State U., SLO	73
21. University of California, Berkeley	73
23. Drexel University	71
24. Michigan State University	69
25. University of Delaware	68
26. Oregon State University	67
26. University of Utah	67
28. George Mason University	65
29. University of California, Santa Cruz	64
30. University of Missouri	63
30. Pennsylvania State University	63
32. University of Nebraska, Lincoln	61
32. University of Wisconsin, Milwaukee	61
34. University of California, Los Angeles	60
35. Texas A&M University	59
36. University of Texas, Arlington	58
37. New York Institute of Technology	57
38. University of Colorado, Boulder	55
38. SUNY, Buffalo	55
40. Auburn University	52
41. Florida Atlantic University	51
41. Oakland University	51
43. University of South Florida	50
44. Portland State University	49
45. California State University, Long Beach	47
46. Colorado School of Mines	46
47. Clemson University	45
48. University of Texas, El Paso	44
48. University of Virginia	44
50. University of Louisville	42

167 schools reported.

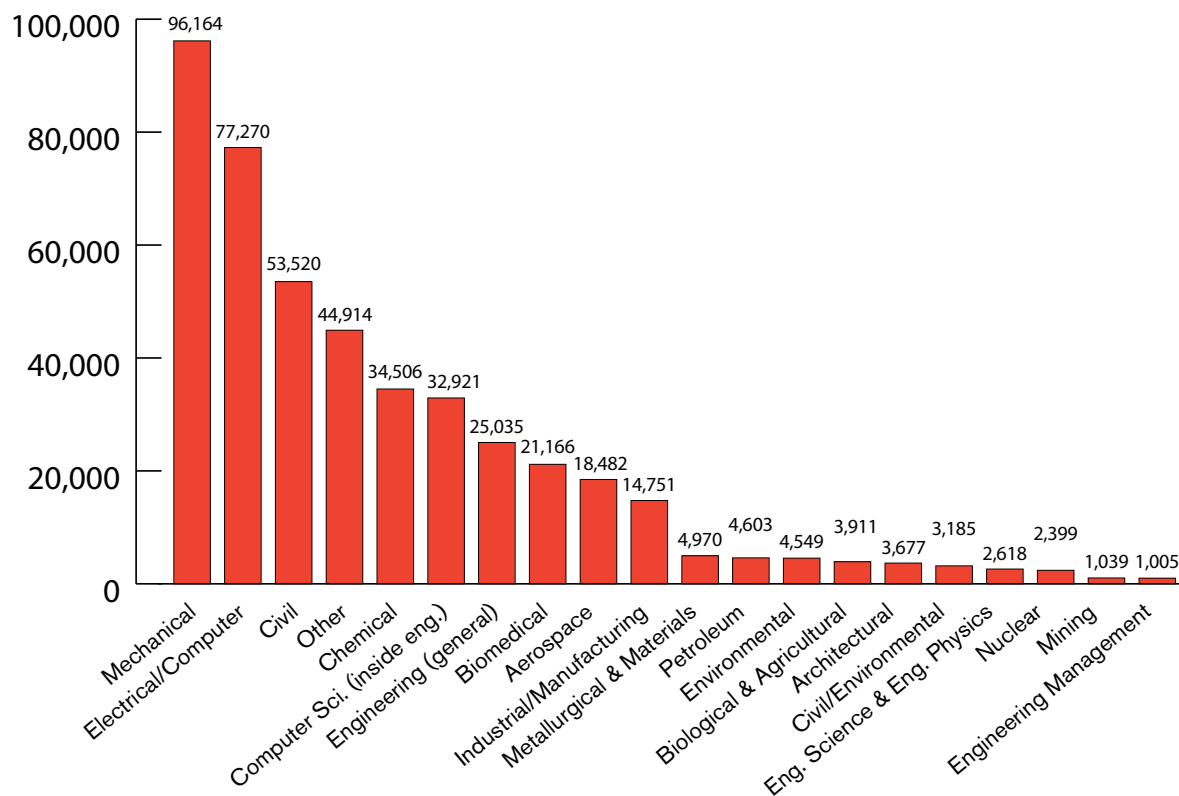
UNDERGRADUATE ENROLLMENT BY SCHOOL*

1. Pennsylvania State University	8,880	24. Louisiana State University	3,853	46. West Virginia University	2,762
2. Georgia Institute of Technology	8,076	25. University of Minnesota, Twin Cities	3,807	47. University of California, Irvine	2,691
3. Texas A&M University	7,429	26. Clemson University	3,745	48. SUNY, Buffalo	2,650
4. Purdue University	7,226	27. University of Wisconsin, Madison	3,730	49. University of Utah	2,642
5. Univ. of Illinois, Urbana-Champaign	6,769	28. Colorado School of Mines	3,710	50. Stanford University	2,560
6. Virginia Tech	6,448	29. Polytechnic Univ. of Puerto Rico	3,536	51. University of Oklahoma	2,524
7. North Carolina State University	6,365	30. Drexel University	3,527	52. George Mason University	2,467
8. Ohio State University	6,115	31. University of California, Berkeley	3,378	53. San Jose State University	2,461
9. University of Central Florida	5,691	32. University of California, Los Angeles	3,301	54. California State University, Long Beach	2,451
10. Iowa State University	5,626	33. Michigan Technological University	3,262	55. University of Texas, El Paso	2,436
11. University of Texas, Austin	5,575	34. Texas Tech University	3,231	56. Rochester Institute of Technology	2,429
12. University of Michigan	5,547	35. University of Maryland, College Park	3,159	57. Oklahoma State University	2,397
13. University of Florida	5,255	36. Rensselaer Polytechnic Institute	3,077	57. University of Texas, Arlington	2,397
14. California Poly. State U., SLO	5,219	37. Michigan State University	3,068	59. Mississippi State University	2,376
15. Univ. of Puerto Rico, Mayaguez	4,981	38. University of Colorado, Boulder	3,059	60. University of Tennessee, Knoxville	2,369
16. University of California, San Diego	4,424	39. Cornell University	3,038	61. University of Cincinnati	2,349
17. California State Poly. U., Pomona	4,398	40. Rutgers University	3,008	62. Worcester Polytechnic Institute	2,334
18. Arizona State University	4,390	41. University of California, Davis	3,003	63. Brigham Young University	2,311
19. University of Washington	4,178	42. Kansas State University	2,979	64. University of Arizona	2,302
20. Missouri Univ. of Science and Tech.	4,139	43. University of South Florida	2,929	65. Northeastern University	2,297
21. Oregon State University	4,116	44. University of Alabama	2,777	66. University of Kentucky	2,287
22. Florida International University	4,002	45. University of Nebraska, Lincoln	2,776	66. University of Virginia	2,287
23. Auburn University	3,890				

340 schools reported.

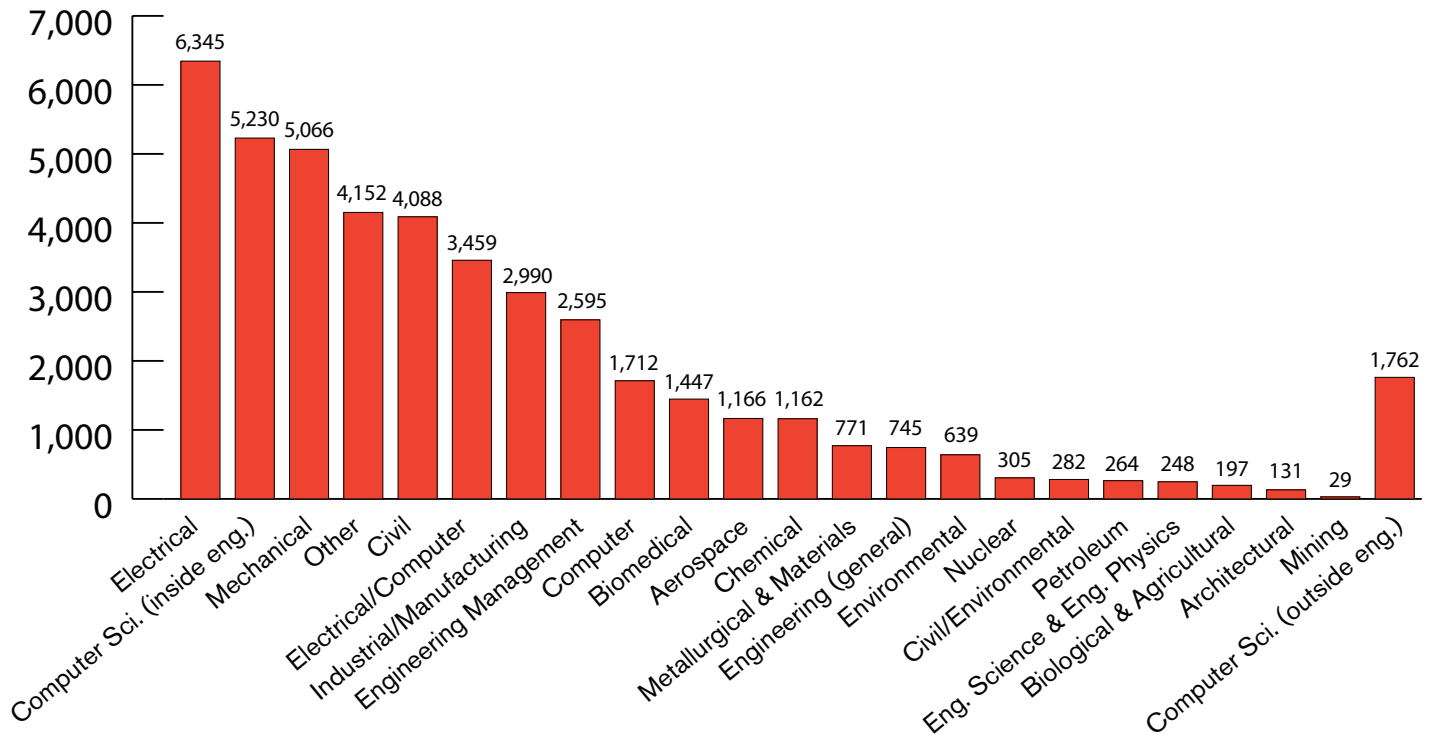
* Some schools do not permit formal enrollment in their engineering colleges until the second or third year. Enrollment is full-time plus part-time students.

UNDERGRADUATE ENROLLMENT BY DISCIPLINE:* 450,685

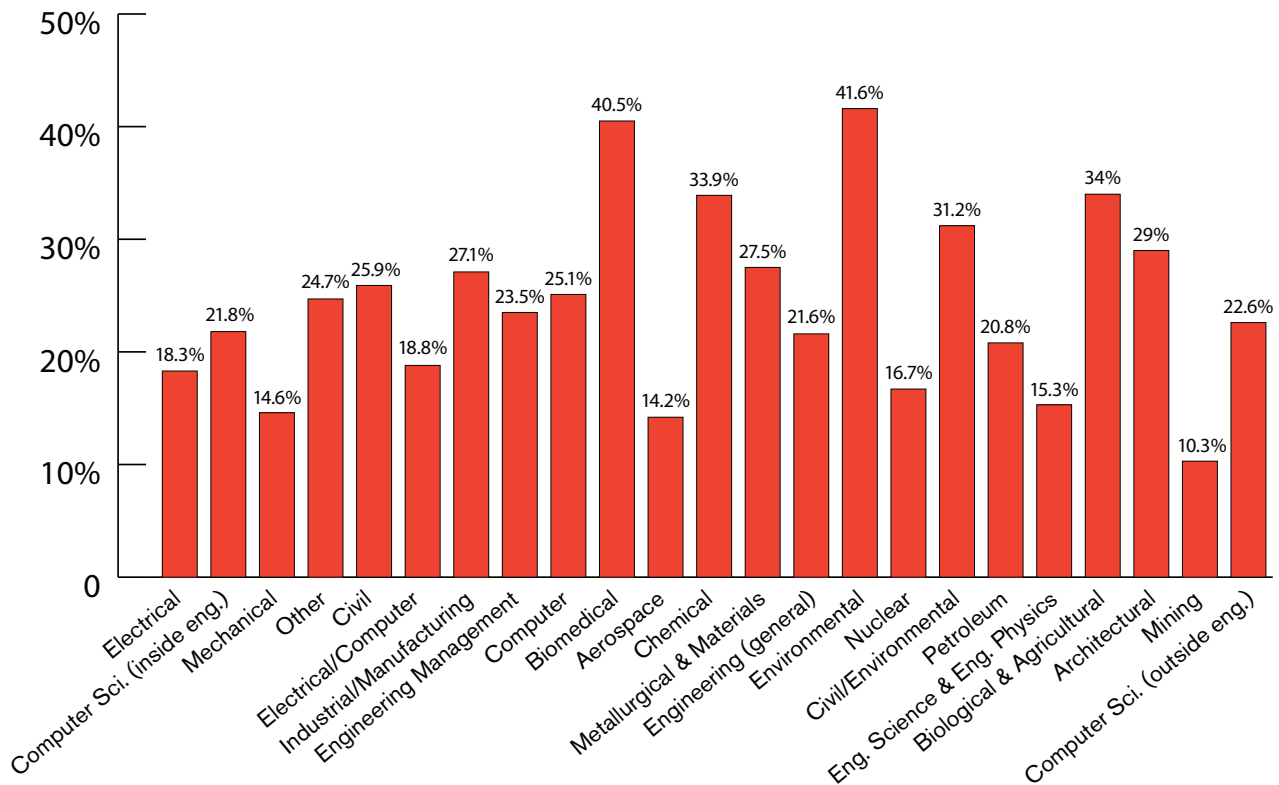


* Enrollment is for full-time bachelor's degree candidates in engineering.

MASTER'S DEGREES AWARDED BY DISCIPLINE: 43,023



PERCENTAGE OF MASTER'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 22.6% OF TOTAL

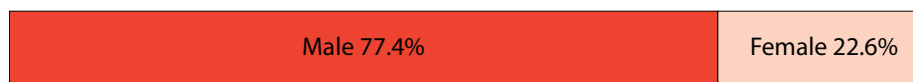


ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL

1. University of Southern California	1,449
2. Stanford University	964
3. Georgia Institute of Technology	948
4. University of Florida	884
5. University of Michigan	810
6. Johns Hopkins University	798
7. Massachusetts Inst. of Technology	788
8. San Jose State University	783
9. Columbia University	737
10. Stevens Institute of Technology	734
11. Cornell University	676
12. Polytechnic Institute of NYU	646
13. Texas A&M University	619
14. North Carolina State University	615
15. George Washington University	554
16. University of Bridgeport	507
17. Carnegie Mellon University	502
18. Arizona State University	500
19. Univ. of Illinois, Urbana-Champaign	494
20. New Jersey Inst. of Technology	493
21. University of Texas, Arlington	481
22. George Mason University	477
23. Virginia Tech	452
24. University of Texas, Austin	447
25. Univ. of California, Los Angeles	438
26. University of Washington	399
27. University of Pennsylvania	393
28. University of Minnesota, Twin Cities	386
29. University of Colorado, Boulder	384
29. University of Texas, Dallas	384
31. University of California, Berkeley	381
32. Northwestern University	370
33. Pennsylvania State University	364
34. Purdue University	363
35. University of Wisconsin, Madison	361
36. Northeastern University	355
37. University of Maryland, College Park	340
37. Missouri Univ. of Science and Tech.	340
39. Ohio State University	336
40. Southern Methodist University	333
41. Stony Brook University	332
42. Illinois Institute of Technology	324
43. University of California, San Diego	318
44. SUNY, Buffalo	298
45. Florida International University	289
46. Colorado School of Mines	288
47. Drexel University	276
48. University of Central Florida	249
49. Rensselaer Polytechnic Institute	248
50. Clemson University	247

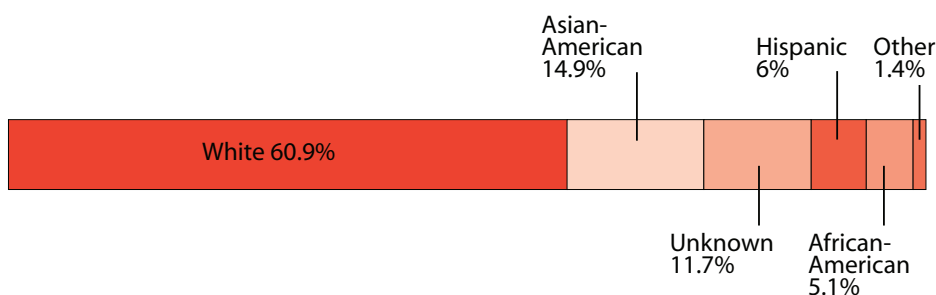
260 schools reported.

MASTER'S DEGREES BY GENDER, 2010



	2001	2002	2003	2004	2005	2006	2007	2008	2009
Female	22.1%	22.1%	22.3%	21.9%	22.7%	22.5%	22.4%	23.0%	23.0%
Male	77.9%	77.9%	77.7%	78.1%	77.3%	77.5%	77.6%	77.0%	77.0%

MASTER'S DEGREES BY ETHNICITY, 2010*



	2001	2002	2003	2004	2005	2006	2007	2008	2009
African American	4.5%	4.7%	4.6%	4.3%	4.6%	4.4%	4.6%	4.8%	4.7%
Hispanic	3.9%	4.2%	4.3%	4.5%	5.0%	4.7%	5.2%	5.4%	5.3%
Other	13.6%	11.8%	12.1%	14.1%	14.4%	15.7%	15.2%	15.1%	17.4%
Asian American	15.4%	15.2%	15.8%	16.8%	17.7%	16.5%	16.5%	15.4%	15.1%
Caucasian	62.6%	64.1%	63.2%	60.3%	58.3%	58.7%	58.5%	59.3%	57.5%

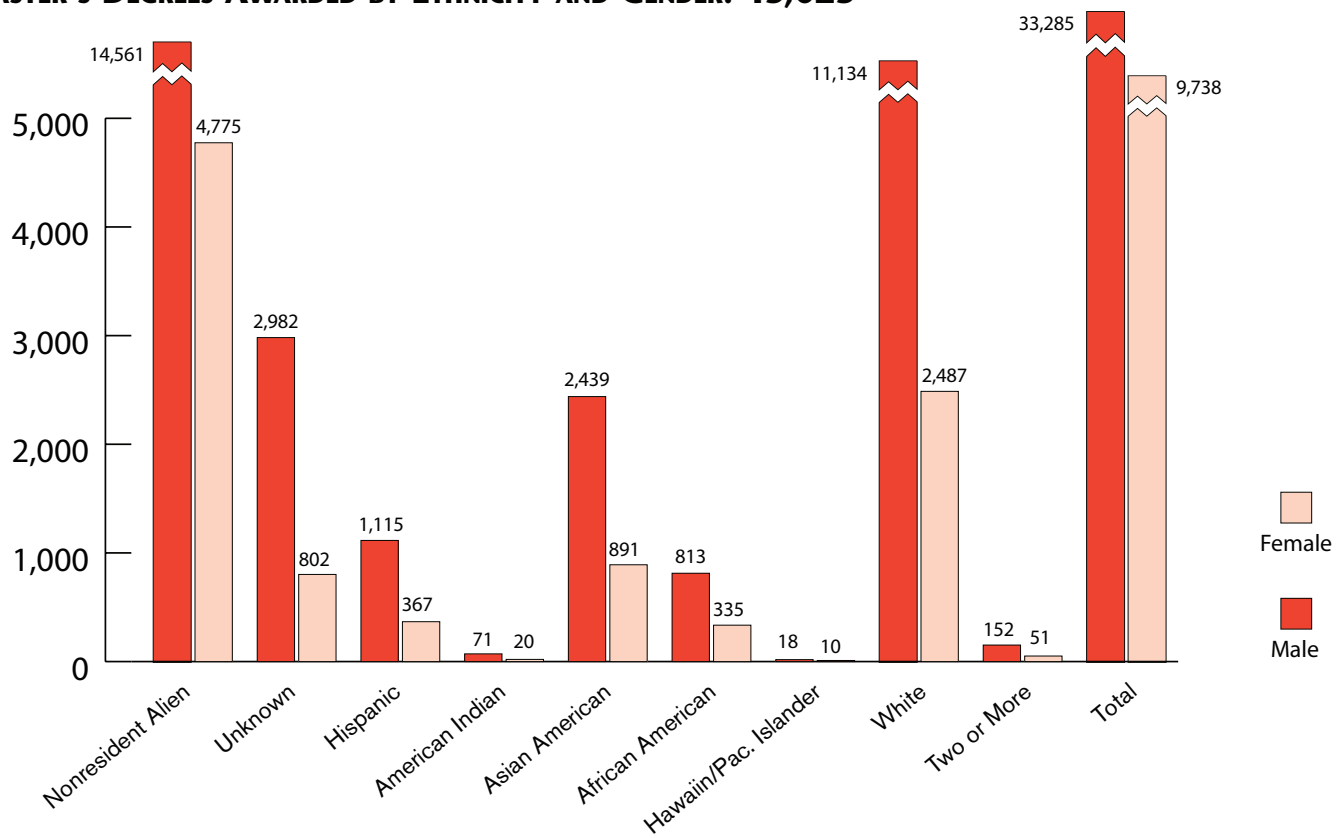
* data on ethnicity does not include schools from Puerto Rico or foreign nationals. The percentage of Hispanic graduates is 6.6% if the two schools from Puerto Rico are included. American Indians (0.4%), Hawaiian/Pacific Islanders (0.1%) and Two or More (0.9%) are combined under Other. Eight institutions reported virtually all of their U.S. residents in the Unknown field. These institutions were removed from the calculations for race, ethnicity and residency.

MASTER'S DEGREES BY RESIDENCY, 2010



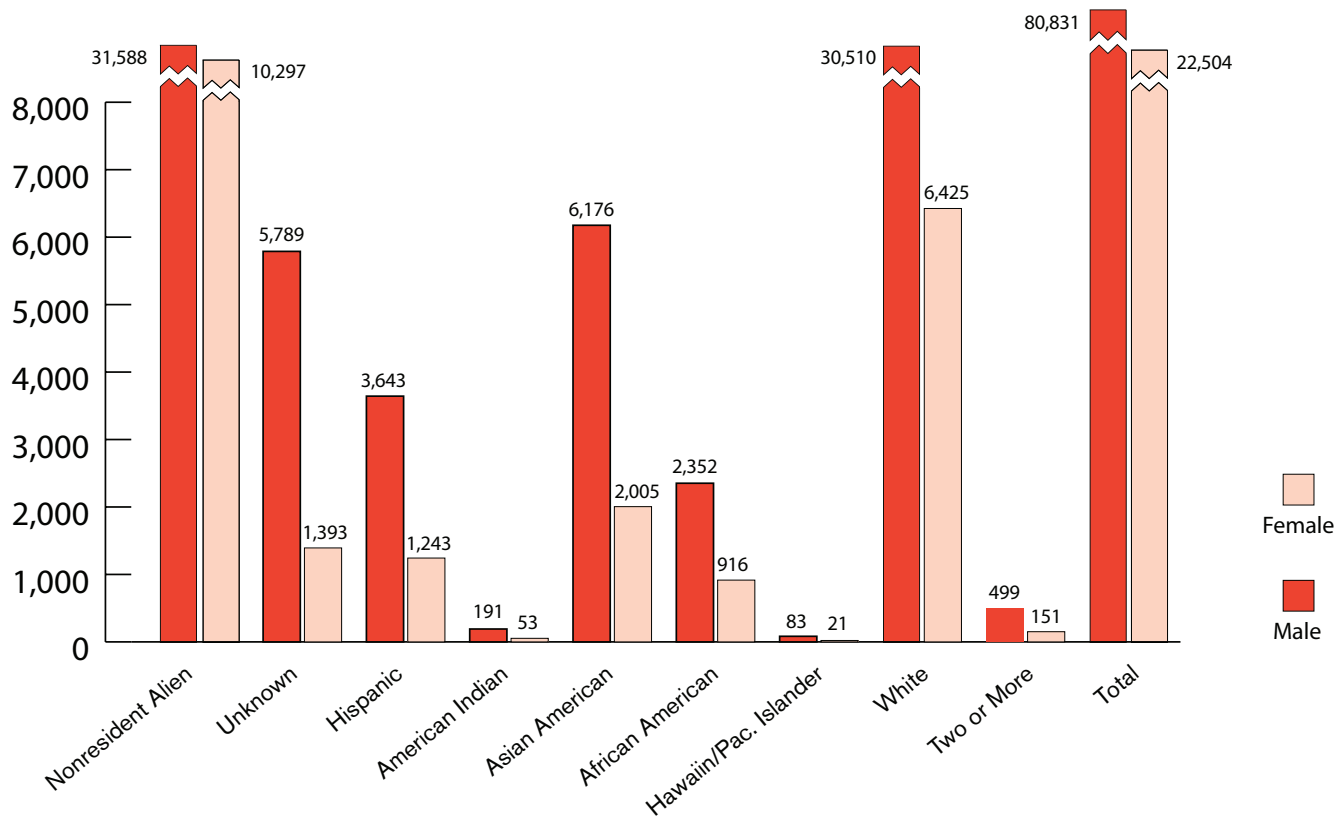
	2001	2002	2003	2004	2005	2006	2007	2008	2009
Foreign National	43.0%	42.1%	46.0%	45.5%	42.6%	39.8%	38.7%	41.7%	44.1%
Domestic	57.0%	57.9%	54.0%	54.5%	57.4%	60.2%	61.3%	58.3%	55.9%

MASTER'S DEGREES AWARDED BY ETHNICITY AND GENDER: 43,023*



* Includes 86 male and 46 female graduates from schools in Puerto Rico. Also includes 8 institutions that counted virtually all permanent residents in the Unknown category.

MASTER'S ENROLLMENT BY ETHNICITY AND GENDER: 103,335*



* Includes 424 Hispanic male and 230 Hispanic female enrolled students from schools in Puerto Rico. Also includes 7 institutions that counted virtually all permanent residents in the Unknown category.

PERCENTAGE OF MASTER'S DEGREES AWARDED TO WOMEN BY SCHOOL*

1. Virginia Commonwealth University	41.2%
2. Polytechnic Univ. of Puerto Rico	40.7%
3. San Jose State University	37.8%
4. University of Miami	37.7%
5. Catholic University of America	37.2%
6. Stony Brook University	37.0%
7. University of Rochester	35.2%
8. University of Alabama, Birmingham	35.1%
9. Harvard University	34.6%
10. San Diego State University	34.2%
11. University of Iowa	33.8%
12. University of Maryland, College Park	33.5%
13. Clarkson University	33.3%
13. Michigan State University	33.3%
15. Duke University	31.2%
16. U. of Colorado, Colorado Springs	31.0%
17. Louisiana State University	30.9%
18. Temple University	30.4%
18. University of Texas, El Paso	30.4%
20. University of Saint Thomas	30.2%

* Minimum of 35 master's degrees awarded.
209 schools fit this criterion.

PERCENTAGE OF DOCTORAL DEGREES AWARDED TO WOMEN BY SCHOOL*

1. Rutgers University	45.0%
2. University of Pittsburgh	40.4%
3. Harvard University	39.5%
4. Stony Brook University	38.6%
5. University of Iowa	38.1%
6. New Jersey Institute of Technology	37.1%
7. University of California, Irvine	35.1%
8. Florida International University	34.3%
9. University of Rochester	34.1%
10. Michigan Technological University	33.3%
11. Lehigh University	32.7%
12. Johns Hopkins University	31.0%
13. University of Virginia	30.9%
14. Drexel University	30.5%
15. University of South Carolina	30.3%
16. University of Pennsylvania	30.0%
17. Northeastern University	29.6%
18. University of California, Santa Cruz	29.4%
19. University of Delaware	29.0%
20. California Institute of Technology	28.8%

*Minimum of 25 total doctoral degrees awarded.
98 schools fit this criterion.

GRADUATE ENROLLMENT BY SCHOOL*

1. University of Southern California	4,265
2. Georgia Institute of Technology	3,835
3. Stanford University	3,572
4. Johns Hopkins University	3,171
5. University of Michigan	2,955
6. Texas A&M University	2,955
7. University of Florida	2,925
8. Univ. of Illinois, Urbana-Champaign	2,711
9. Massachusetts Inst. of Technology	2,677
10. Purdue University	2,629
11. North Carolina State University	2,586
12. University of Texas, Austin	2,246
13. Virginia Tech	2,208
14. Arizona State University	2,136
15. Columbia University	2,004
16. University of Maryland, College Park	1,954
17. University of Minnesota, Twin Cities	1,942
18. Pennsylvania State University	1,937
19. Stevens Institute of Technology	1,881
20. Polytechnic Institute of NYU	1,846
21. University of Washington	1,799
22. University of California, Los Angeles	1,783
23. University of California, Berkeley	1,759
24. San Jose State University	1,758
25. Ohio State University	1,701
26. Cornell University	1,665
27. University of Colorado, Boulder	1,636
28. George Mason University	1,621
29. University of Texas, Arlington	1,592
30. Carnegie Mellon University	1,574
31. University of Wisconsin, Madison	1,542
32. Northwestern University	1,439
33. University of California, San Diego	1,438
33. University of Pennsylvania	1,438
35. George Washington University	1,420
36. Northeastern University	1,366
37. New Jersey Institute of Technology	1,318
38. SUNY, Buffalo	1,280
39. University of Texas, Dallas	1,268
40. University of Central Florida	1,251
41. Illinois Institute of Technology	1,228
42. Drexel University	1,220
43. Stony Brook University	1,181
44. University of California, Davis	1,178
44. Colorado School of Mines	1,178
46. Clemson University	1,153
47. Iowa State University	1,099
48. University of Utah	1,020
49. Missouri Univ. of Science and Tech.	1,006
50. University of Illinois, Chicago	972

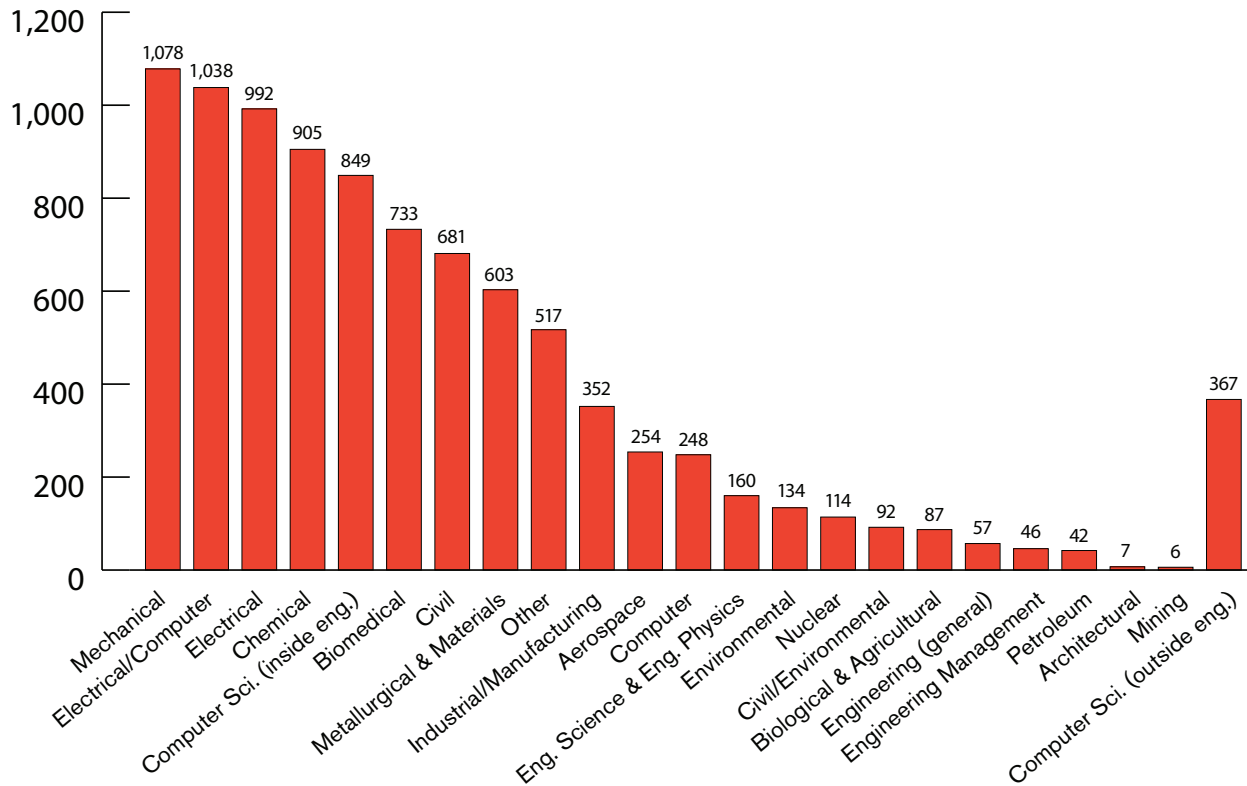
261 total schools reported.
*includes both full-time and part-time

ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL

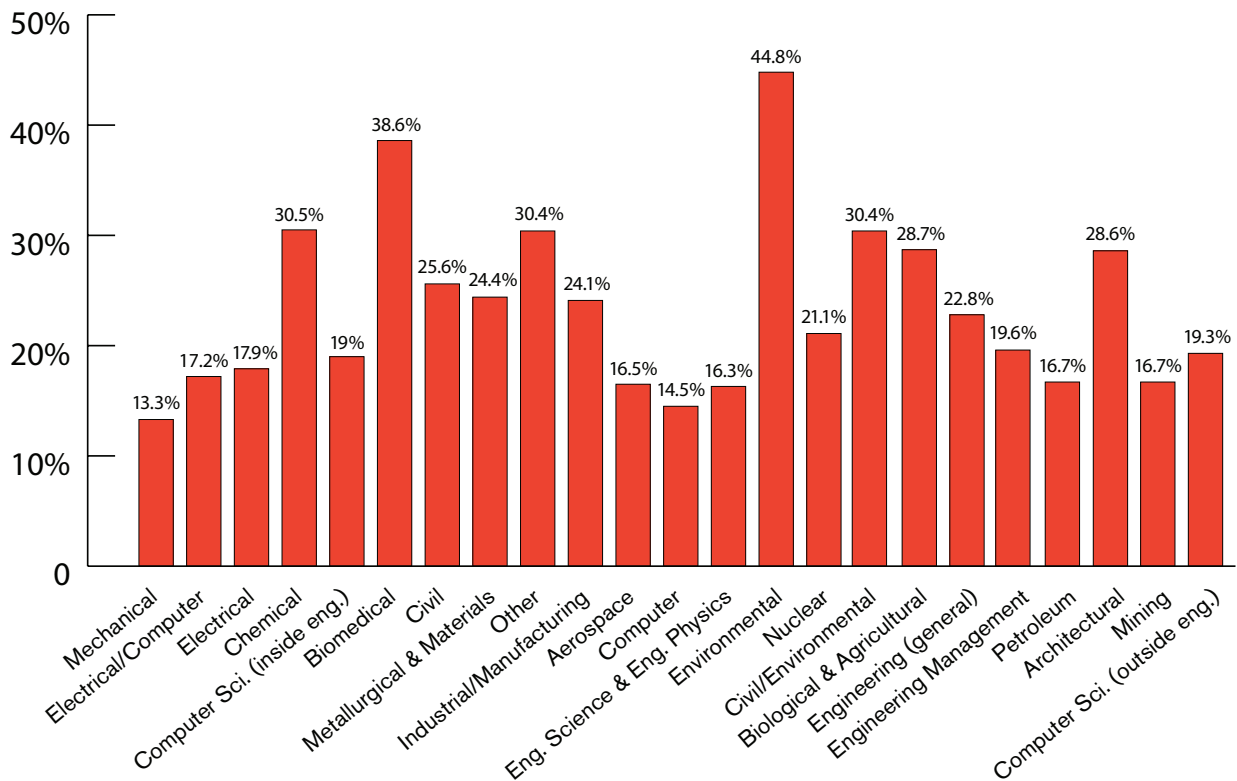
1. Massachusetts Inst. of Technology	297
2. Univ. of Illinois, Urbana-Champaign	285
3. Georgia Institute of Technology	263
4. Stanford University	254
5. University of Michigan	231
6. University of Florida	228
7. University of California, Berkeley	206
8. Purdue University	198
9. University of Texas, Austin	178
10. Texas A&M University	172
11. Pennsylvania State University	169
12. University of California, Los Angeles	164
13. Virginia Tech	154
14. North Carolina State University	139
15. Cornell University	137
16. Ohio State University	130
17. University of Southern California	122
18. University of California, San Diego	121
18. University of Minnesota, Twin Cities	121
18. Northwestern University	121
21. University of Maryland, College Park	118
22. Arizona State University	115
23. University of Arizona	110
24. University of Wisconsin, Madison	109
25. Carnegie Mellon University	106
25. University of Washington	106
27. Columbia University	105
28. University of California, Davis	103
29. Univ. of California, Santa Barbara	101
30. University of Colorado, Boulder	85
31. California Institute of Technology	80
32. Rensselaer Polytechnic Institute	77
33. Iowa State University	74
34. Michigan State University	73
34. Princeton University	73
36. Johns Hopkins University	71
37. University of Central Florida	69
37. University of Delaware	69
39. University of California, Irvine	67
40. Clemson University	66
41. William Marsh Rice University	65
42. University of Tennessee, Knoxville	64
43. University of Texas, Dallas	63
43. University of Utah	63
45. University of Cincinnati	62
45. University of Illinois, Chicago	62
47. University of Pennsylvania	60
47. Rutgers University	60
49. Drexel University	59
50. Stony Brook University	57

197 total schools reported.

DOCTORAL DEGREES AWARDED BY DISCIPLINE: 8,995



PERCENTAGE OF DOCTORAL DEGREES AWARDED TO WOMEN BY DISCIPLINE: 22.9%



DOCTORAL DEGREES AWARDED TO FOREIGN NATIONALS BY SCHOOL

1. Univ. of Illinois, Urbana-Champaign	164
2. Georgia Institute of Technology	149
3. University of Florida	132
4. Stanford University	128
5. Texas A&M University	124
6. Massachusetts Inst. of Technology	123
7. Purdue University	121
8. University of Michigan	119
9. Pennsylvania State University	110
10. University of Texas, Austin	100
11. University of Southern California	90
12. Virginia Tech	88
13. North Carolina State University	85
14. Ohio State University	83
15. University of California, Los Angeles	82
16. Arizona State University	74
17. University of Maryland, College Park	69
18. University of California, Berkeley	64
18. University of Minnesota, Twin Cities	64
20. Columbia University	62
20. Cornell University	62
22. University of California, San Diego	61
23. Carnegie Mellon University	60
24. Northwestern University	56
25. Univ. of California, Santa Barbara	53
26. University of California, Davis	52
26. Iowa State University	52
28. Rensselaer Polytechnic Institute	50
28. University of Wisconsin, Madison	50
30. University of Texas, Dallas	49
31. University of Cincinnati	48
32. Michigan State University	46
33. University of Illinois, Chicago	43
33. Princeton University	43
33. University of Tennessee, Knoxville	43
33. University of Texas, Arlington	43
37. University of Central Florida	41
38. University of Washington	40
39. Lehigh University	39
40. Johns Hopkins University	35
40. Stony Brook University	35
42. University of Delaware	34
43. Auburn University	33
43. Clemson University	33
43. SUNY, Buffalo	33
43. Rutgers University	33
47. University of Oklahoma	32
47. University of Utah	32
49. University of Houston	30
49. Louisiana State University	30

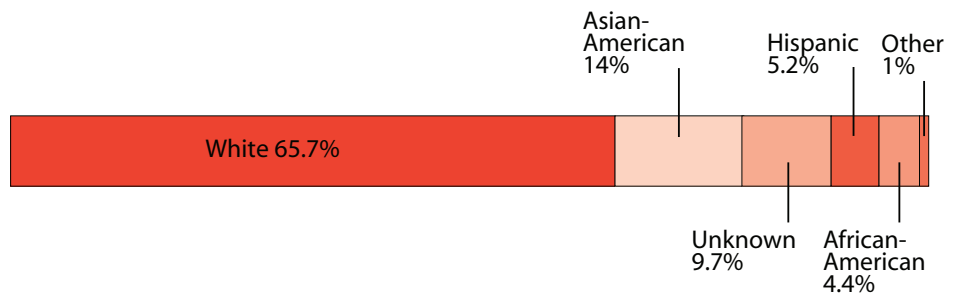
197 schools reported.

DOCTORAL DEGREES BY GENDER, 2010



	2001	2002	2003	2004	2005	2006	2007	2008	2009
Female	16.9%	17.4%	17.4%	17.8%	18.3%	20.2%	20.8%	21.1%	21.2%
Male	83.1%	82.6%	82.6%	82.2%	81.7%	79.8%	79.2%	78.9%	78.8%

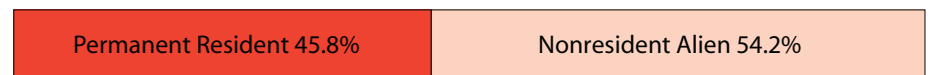
DOCTORAL DEGREES BY ETHNICITY, 2010*



	2001	2002	2003	2004	2005	2006	2007	2008	2009
African American	3.9%	3.5%	3.4%	3.8%	3.7%	3.7%	3.6%	3.2%	3.8%
Hispanic	3.3%	3.9%	3.6%	3.5%	3.7%	3.0%	3.5%	3.6%	3.8%
Other	14.2%	11.4%	11.9%	14.0%	14.2%	15.1%	18.7%	19.5%	17.6%
Asian American	13.9%	14.6%	13.4%	14.0%	14.4%	16.6%	12.0%	12.4%	13.2%
Caucasian	64.7%	66.6%	66.7%	64.7%	64.0%	61.6%	62.2%	61.3%	61.6%

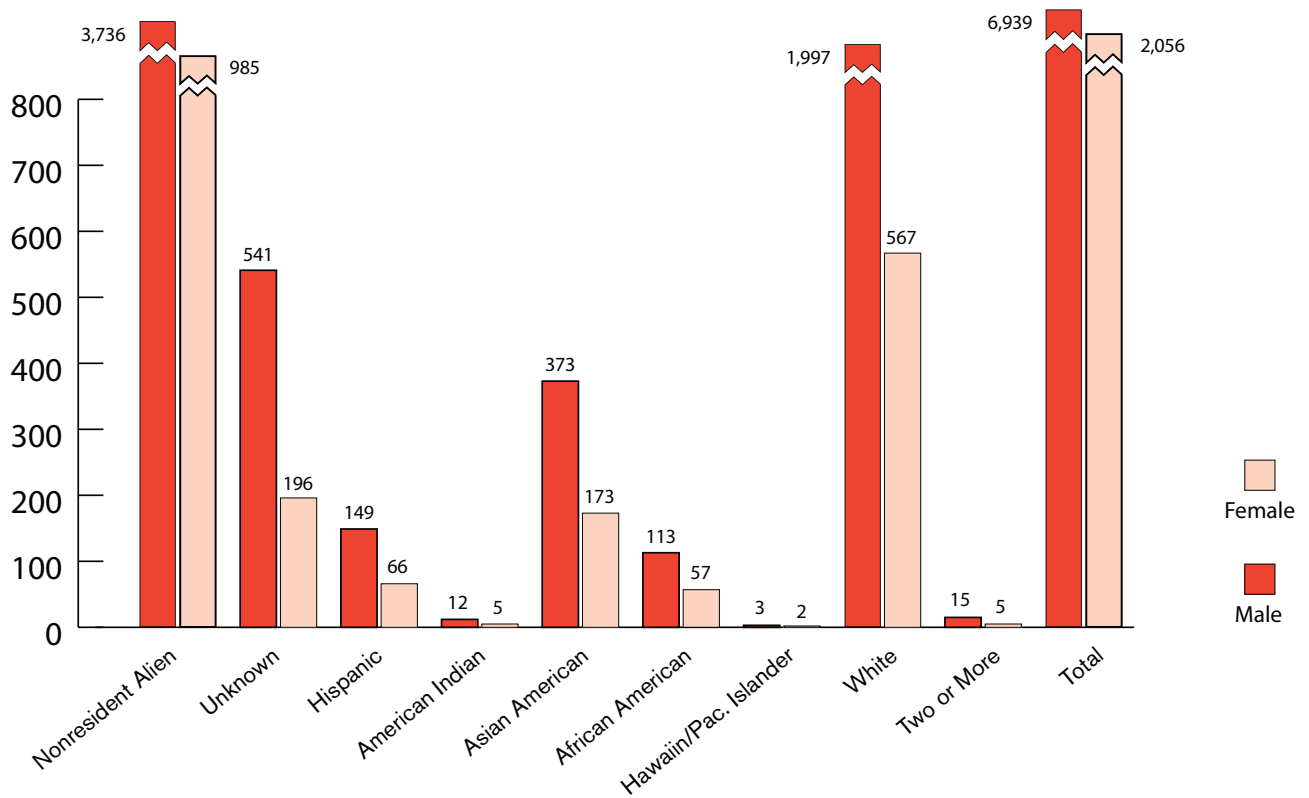
* data on ethnicity does not include schools from Puerto Rico or foreign nationals. The percentage of Hispanic graduates is 5.5% if graduates from the University of Puerto Rico, Mayaguez are included. American Indians (0.4%), Hawaiian/Pacific Islanders (0.1%) and Two or More (0.5%) are combined under Other. Six institutions reported virtually all degrees in the Unknown field. These institutions were removed from the calculations for race, ethnicity and residency.

DOCTORAL DEGREES BY RESIDENCY, 2010



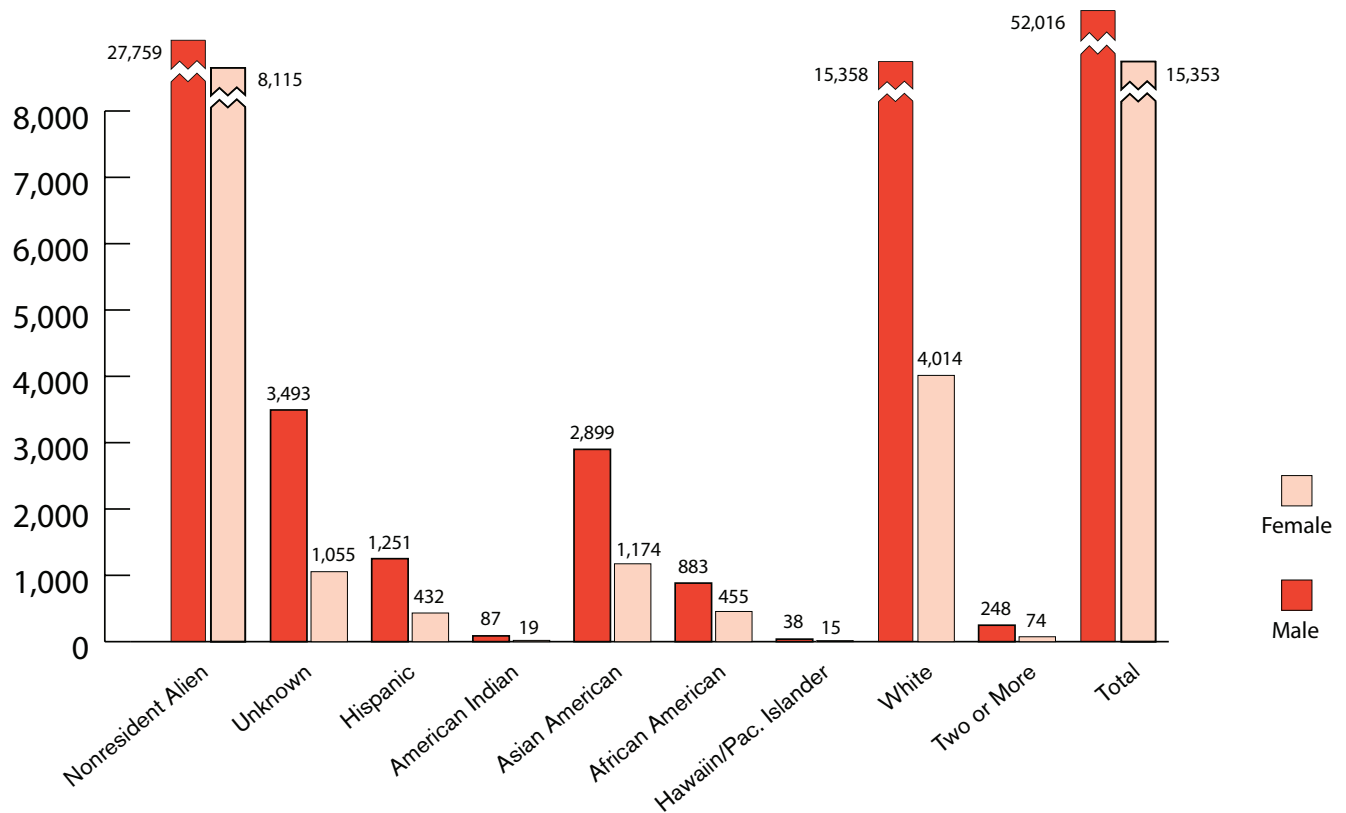
	2001	2002	2003	2004	2005	2006	2007	2008	2009
Foreign National	53.8%	54.0%	55.2%	57.8%	59.4%	61.7%	61.6%	58.3%	55.1%
Domestic	46.2%	46.0%	44.8%	42.2%	40.6%	38.3%	38.4%	41.7%	44.9%

DOCTORAL DEGREES AWARDED BY ETHNICITY AND GENDER: 8,995*



* Includes 7 male and 5 female graduates from University of Puerto Rico, Mayaguez. Also includes 6 institutions that counted virtually all permanent residents in the Unknown category.

DOCTORAL ENROLLMENT BY ETHNICITY AND GENDER: 67,369*



* Includes 48 Hispanic male and 25 Hispanic female enrolled students from schools in Puerto Rico. Also includes 7 institutions that counted virtually all permanent residents in the Unknown category.

ENGINEERING BACHELOR'S DEGREES AWARDED BY SCHOOL (EXCLUDING COMPUTER SCIENCE)

1. Georgia Institute of Technology	1,644
2. Purdue University	1,308
3. Pennsylvania State University	1,296
4. University of Michigan	1,143
5. Virginia Tech	1,081
6. Univ. of Illinois, Urbana-Champaign	1,064
7. Texas A&M University	1,052
8. University of Texas, Austin	985
9. North Carolina State University	984
10. University of Florida	951
11. Iowa State University	866
12. California Poly. State U., SLO	829
13. Ohio State University	807
14. University of California, Berkeley	801
15. Missouri Univ. of Science and Tech	740
16. Rensselaer Polytechnic Institute	739
17. University of Minnesota, Twin Cities	724
18. Cornell University	678
19. Michigan Technological University	661
20. University of Washington	654
21. University of California, San Diego	644
22. Colorado School of Mines	621
23. University of Puerto Rico, Mayaguez	614
24. University of Maryland, College Park	597
25. University of Wisconsin, Madison	592
26. University of California, Los Angeles	574
27. Arizona State University	563
28. Clemson University	560
28. University of Colorado, Boulder	560
30. Louisiana State University	545
31. Rutgers University	535
32. California State Poly. U., Pomona	532
33. Drexel University	529
34. Oregon State University	494
35. University of California, Davis	485
36. University of Arizona	477
37. Massachusetts Inst. of Technology	475
38. University of California, Irvine	474
39. University of Central Florida	473
40. Texas Tech University	452
41. Worcester Polytechnic Institute	446
42. San Jose State University	425
42. University of Virginia	425
44. Auburn University	414
44. Michigan State University	414
46. SUNY, Buffalo	407
47. Polytechnic Univ. of Puerto Rico	397
48. University of Pittsburgh	396
49. Carnegie Mellon University	387
50. West Virginia University	384

344 schools reported.

ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL (EXCLUDING COMPUTER SCIENCE)

1. University of Southern California	1,039
2. Georgia Institute of Technology	948
3. University of Florida	884
4. Stanford University	812
5. University of Michigan	810
6. Massachusetts Inst. of Technology	788
7. San Jose State University	783
8. Stevens Institute of Technology	612
9. Columbia University	597
10. Cornell University	573
11. Johns Hopkins University	558
12. Texas A&M University	553
13. Carnegie Mellon University	502
14. Polytechnic Institute of NYU	499
15. New Jersey Institute of Technology	493
16. North Carolina State University	473
17. George Washington University	458
18. University of Texas, Austin	447
19. George Mason University	444
20. Univ. of Illinois, Urbana-Champaign	426
21. University of Bridgeport	413
22. Arizona State University	410
23. University of Texas, Arlington	404
24. University of Washington	399
25. Virginia Tech	396
26. Purdue University	363
27. University of Wisconsin, Madison	361
28. Northwestern University	359
29. Northeastern University	355
30. Pennsylvania State University	351
31. University of California, Berkeley	349
32. University of Colorado, Boulder	345
33. University of Maryland, College Park	340
33. Missouri Univ. of Science and Tech	340
35. University of California, Los Angeles	339
36. Illinois Institute of Technology	324
37. University of Pennsylvania	306
38. Southern Methodist University	296
39. University of Minnesota, Twin Cities	275
40. Colorado School of Mines	274
40. Ohio State University	274
42. Florida International University	264
43. Drexel University	254
44. University of California, San Diego	252
45. Rensselaer Polytechnic Institute	248
46. Rochester Institute of Technology	243
47. Worcester Polytechnic Institute	238
48. Stony Brook University	236
49. Santa Clara University	223
50. Old Dominion University	220

260 schools reported.

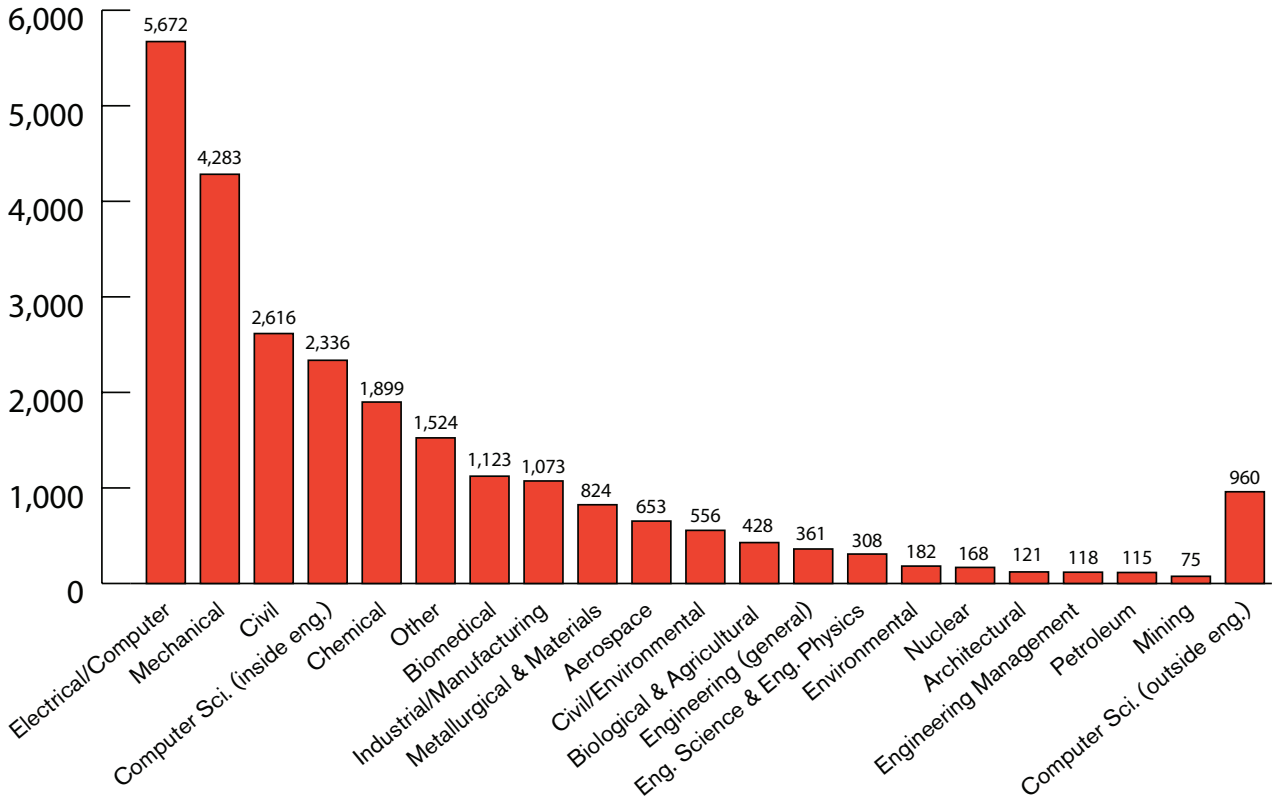
ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL (EXCLUDING COMPUTER SCIENCE)

1. Massachusetts Inst. of Technology	297
2. Georgia Institute of Technology	263
3. Univ. of Illinois, Urbana-Champaign	249
4. University of Michigan	231
5. Stanford University	229
6. University of Florida	228
7. Purdue University	198
8. University of Texas, Austin	178
9. University of California, Berkeley	174
10. Pennsylvania State University	151
11. Texas A&M University	145
12. Virginia Tech	142
13. University of California, Los Angeles	133
14. University of Maryland, College Park	118
15. Cornell University	116
16. North Carolina State University	115
17. Ohio State University	111
18. University of Arizona	110
19. University of Wisconsin, Madison	109
20. Northwestern University	108
21. Carnegie Mellon University	106
21. University of Washington	106
23. University of Minnesota, Twin Cities	102
24. Arizona State University	97
25. University of Southern California	92
26. University of California, San Diego	91
27. Columbia University	88
28. University of California, Santa Barbara	82
29. California Institute of Technology	79
30. University of California, Davis	78
31. University of California, Irvine	77
31. Rensselaer Polytechnic Institute	77
33. Iowa State University	74
34. University of Colorado, Boulder	68
35. Clemson University	64
36. University of Delaware	63
36. Princeton University	63
38. University of Cincinnati	62
39. Michigan State University	60
39. Rutgers University	60
41. Drexel University	58
41. Johns Hopkins University	58
43. University of Tennessee, Knoxville	57
44. William Marsh Rice University	56
45. University of Illinois, Chicago	54
46. University of Central Florida	53
47. University of Pittsburgh	52
47. University of Virginia	52
49. Duke University	51
49. University of South Florida	51

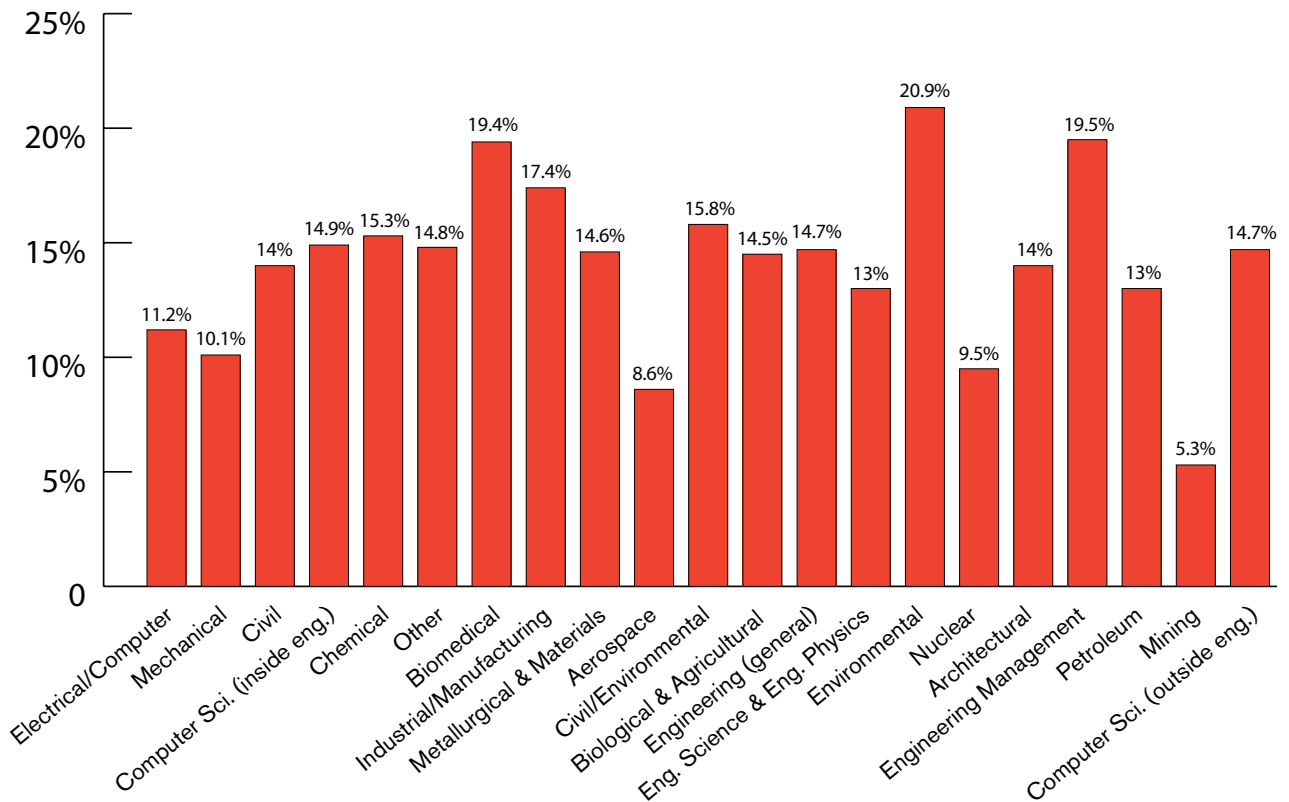
196 schools reported.

Note: All enrollment and degree data in this book includes computer science programs administered by the engineering colleges. This page displays the largest degree programs at each level without the computer science programs.

NUMBER OF TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 24,435



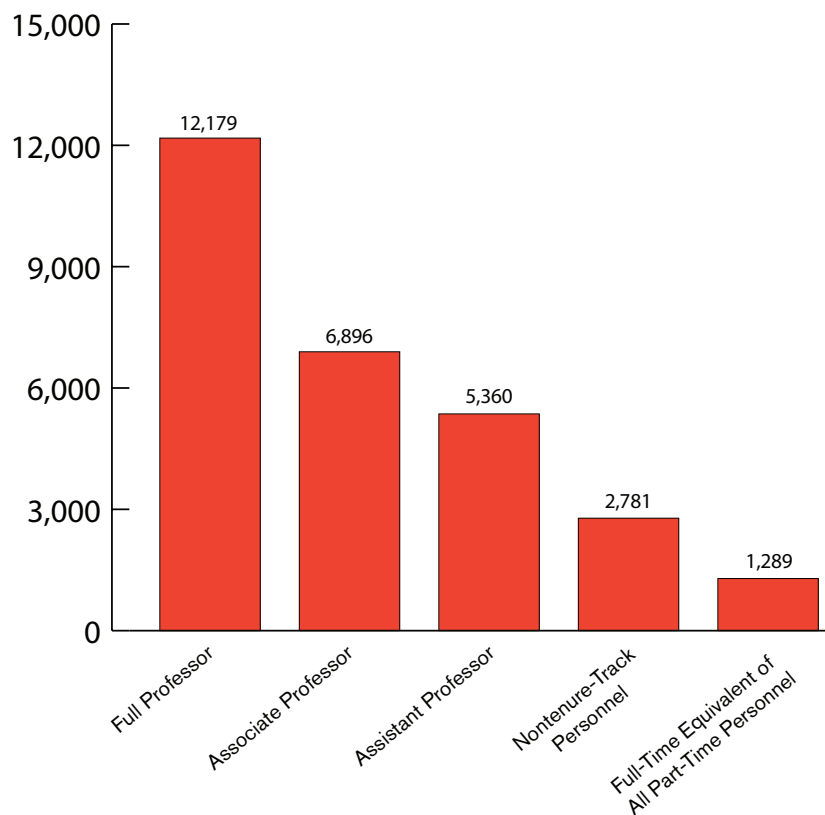
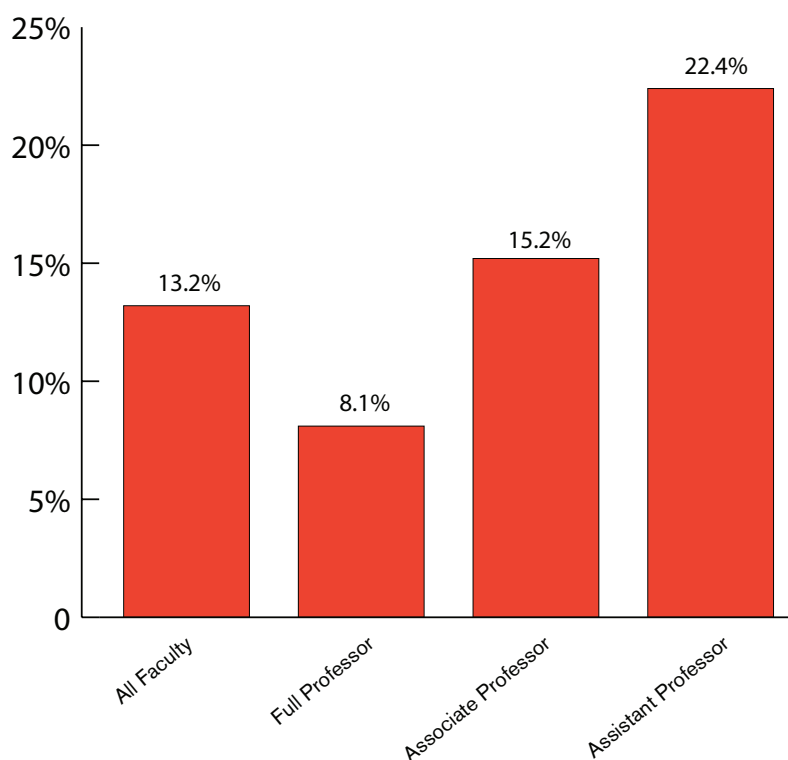
PERCENTAGE OF WOMEN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 12.7%



TENURED/TENURE-TRACK FACULTY MEMBERS BY SCHOOL

1. Georgia Institute of Technology	432
2. Univ. of Illinois, Urbana-Champaign	383
3. Massachusetts Inst. of Technology	369
4. Texas A&M University	360
5. University of Michigan	353
6. Pennsylvania State University	351
7. Purdue University	332
8. Virginia Tech	314
9. North Carolina State University	305
10. University of Florida	266
11. Ohio State University	265
12. University of Texas, Austin	262
13. Cornell University	244
14. University of California, Berkeley	242
15. University of Washington	235
16. Iowa State University	221
17. Stanford University	214
18. University of California, Davis	211
19. University of Minnesota, Twin Cities	208
20. University of Maryland, College Park	201
21. Arizona State University	200
22. Clemson University	197
23. University of Colorado, Boulder	189
24. University of California, San Diego	186
24. University of Wisconsin, Madison	186
26. Univ. of Puerto Rico, Mayaguez	183
27. University of Nebraska, Lincoln	174
28. Northwestern University	173
29. Colorado School of Mines	172
30. University of Southern California	170
31. Michigan State University	165
32. University of Arizona	158
33. Columbia University	157
34. University of California, Los Angeles	155
35. University of Tennessee, Knoxville	153
36. Missouri Univ. of Science and Tech.	152
37. University of Utah	149
38. California Poly. State U., SLO	147
38. University of Kentucky	147
38. Carnegie Mellon University	147
41. Johns Hopkins University	145
42. Auburn University	144
43. Drexel University	142
44. SUNY, Buffalo	135
44. University of Texas, Arlington	135
46. University of Delaware	134
47. Rensselaer Polytechnic Institute	133
48. Rutgers University	132
49. University of Virginia	130
50. Univ. of California, Santa Barbara	129

337 schools reported.

NUMBER OF TEACHING PERSONNEL BY RANK: 28,505**PERCENTAGE OF WOMEN TENURED/TENURE-TRACK FACULTY BY LEVEL**

**PERCENTAGE OF WOMEN TENURED/
TENURE-TRACK FACULTY BY
SCHOOL***

1. Santa Clara University	32.4%
2. Rowan University	31.3%
3. University of the Pacific	29.6%
4. California State Univ., Los Angeles	29.4%
5. University of New Haven	28.1%
6. Arizona State U., Coll. of Tech. & Innov.	28.0%
7. Union College	25.9%
8. Bucknell University	24.6%
9. Boise State University	24.5%
10. Capitol College	24.1%
11. New York Institute of Technology	23.3%
12. Lafayette College	22.6%
13. Univ. of Tennessee, Chattanooga	22.5%
14. Polytechnic Univ. of Puerto Rico	22.2%
15. Univ. of Maryland, Baltimore County	21.8%
16. Tufts University	21.7%
17. Mercer University	21.2%
18. University of Washington	20.9%
19. Princeton University	20.2%
20. Northern Arizona University	20.0%
21. Rose-Hulman Inst. of Technology	19.8%
22. Drexel University	19.7%
22. SUNY, Binghamton	19.7%
22. San Jose State University	19.7%

25. William Marsh Rice University	19.6%
26. Prairie View A&M University	19.4%
27. Tennessee State University	19.2%
27. U.S. Coast Guard Academy	19.2%
29. George Mason University	18.9%
30. Miami University	18.6%
30. Villanova University	18.6%
32. University of California, Davis	18.5%
32. University of Colorado, Boulder	18.5%
34. Rochester Institute of Technology	18.3%
35. University of Vermont	18.2%
36. Oakland University	17.8%
37. California Poly. State U., SLO	17.7%
37. George Washington University	17.7%
37. U.S. Naval Academy	17.7%
40. California State Poly. U., Pomona	17.6%
40. Lawrence Technological University	17.6%
40. Univ. of North Carolina, Chapel Hill	17.6%
43. Oregon State University	17.4%
44. California State Univ., Sacramento	17.3%
45. Stony Brook University	17.2%
46. University of Alaska, Fairbanks	17.0%
46. Virginia Commonwealth University	17.0%
48. Clarkson University	16.9%
49. University of Illinois at Chicago	16.8%
49. Northeastern University	16.8%

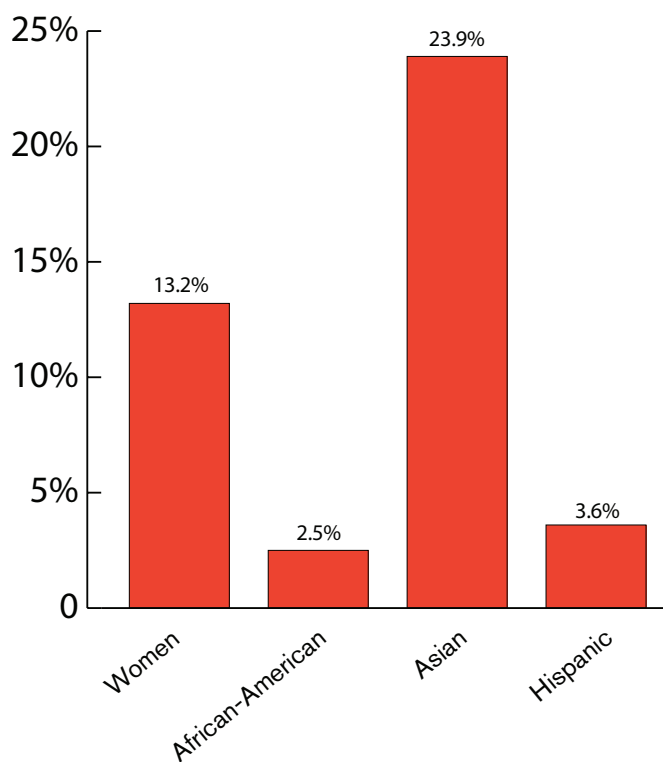
*Minimum of 25 faculty members.
243 schools fit this criterion.

**WOMEN TENURED/TENURE-TRACK
FACULTY BY SCHOOL**

1. Georgia Institute of Technology	62
2. Massachusetts Inst. of Technology	59
3. University of Michigan	55
4. Purdue University	52
5. Texas A&M University	50
6. University of Washington	49
7. Pennsylvania State University	47
8. Univ. of Illinois, Urbana-Champaign	41
9. University of California, Davis	39
9. Virginia Tech	39
11. Cornell University	37
12. Ohio State University	36
13. University of Colorado, Boulder	35
14. University of California, Berkeley	34
14. University of Florida	34
14. North Carolina State University	34
17. Arizona State University	32
17. Stanford University	32
19. University of Texas, Austin	31
20. Drexel University	28

337 schools reported.

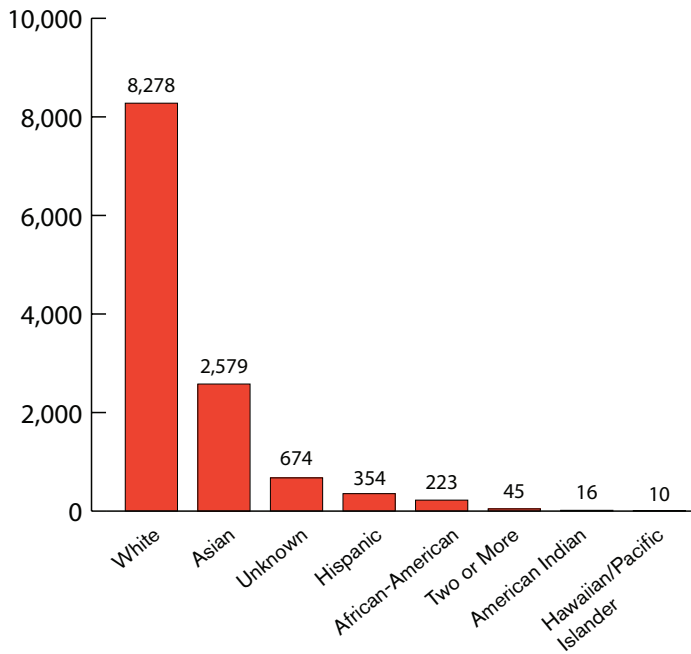
PERCENTAGE OF WOMEN AND MINORITY FACULTY, 2001-2010*



	Women	African-American	Asian	Hispanic
2001	8.9%	2.1%	17.0%	3.0%
2002	9.2%	2.0%	17.8%	3.0%
2003	9.9%	2.2%	19.2%	3.1%
2004	10.4%	2.3%	20.2%	3.2%
2005	10.6%	2.4%	20.9%	3.2%
2006	11.3%	2.4%	22.0%	3.3%
2007	11.8%	2.5%	22.6%	3.4%
2008	12.3%	2.5%	22.7%	3.5%
2009	12.7%	2.5%	23.3%	3.5%

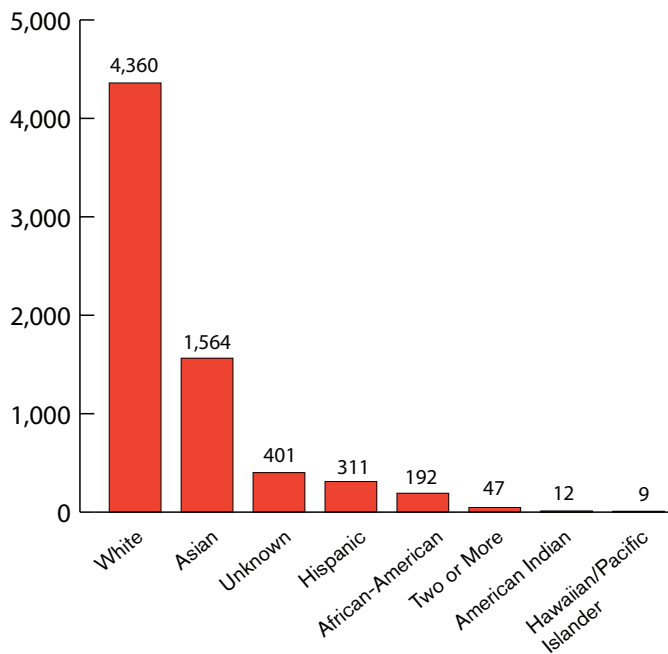
*Note: Includes faculty data from University of Puerto Rico, Mayaguez and Polytechnic Univ. of Puerto Rico

**NUMBER OF FULL PROFESSORS BY RACE/
ETHNICITY: 12,179***



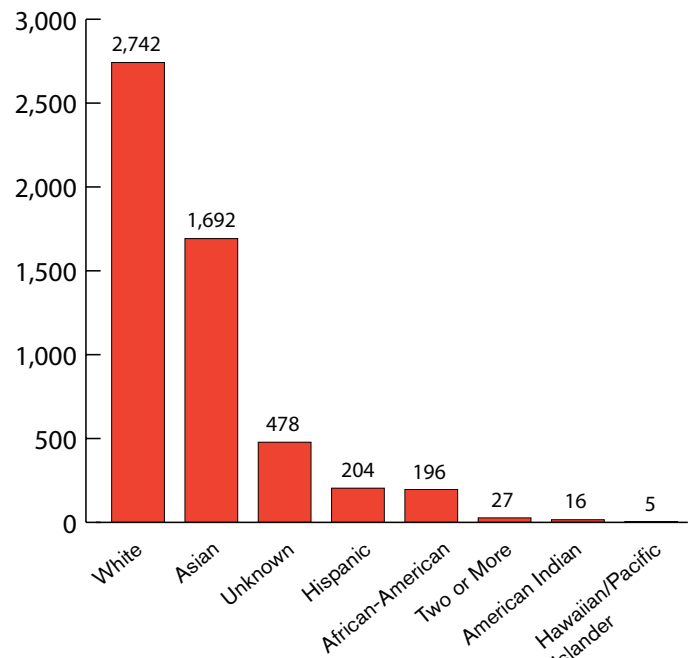
*Note: Includes 99 Hispanic faculty from University of Puerto Rico, Mayaguez and Polytechnic Univ. of Puerto Rico.

**NUMBER OF ASSOCIATE PROFESSORS BY
RACE/ETHNICITY: 6,896***



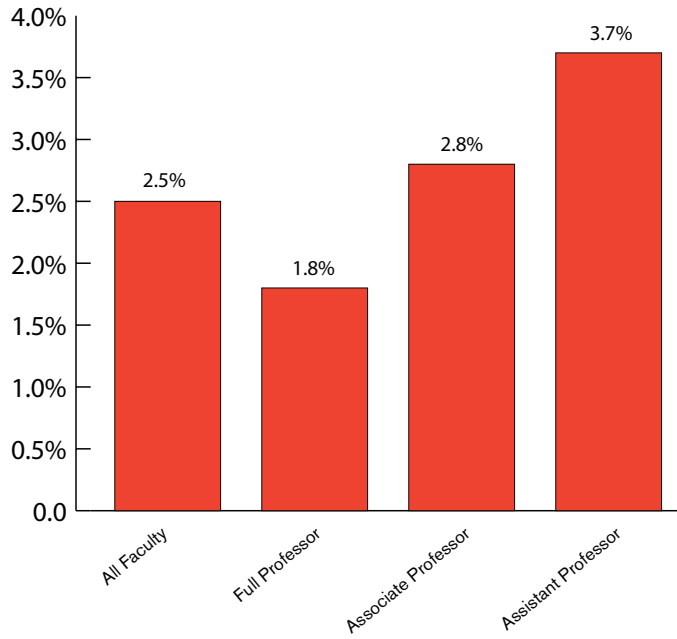
*Note: Includes 75 Hispanic faculty from University of Puerto Rico, Mayaguez and Polytechnic Univ. of Puerto Rico.

**NUMBER OF ASSISTANT PROFESSORS BY RACE/
ETHNICITY: 5,360***

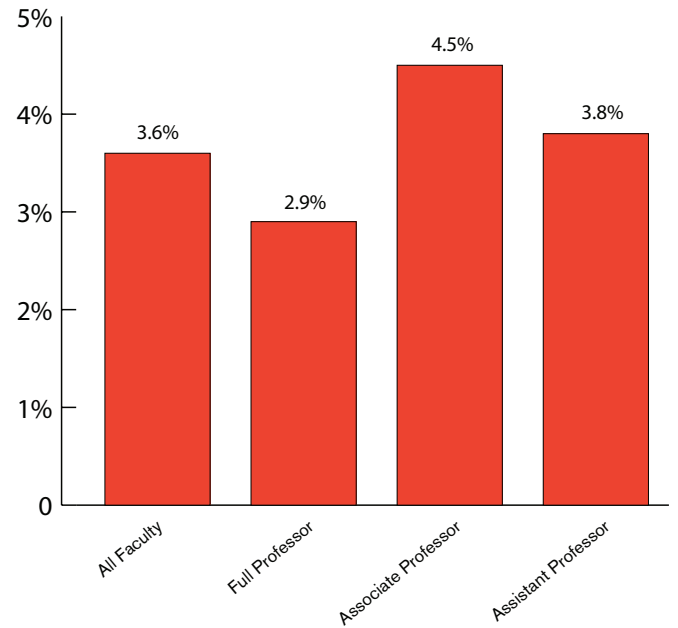


* Note: Includes 39 Hispanic faculty from University of Puerto Rico, Mayaguez and Polytechnic Univ. of Puerto Rico.

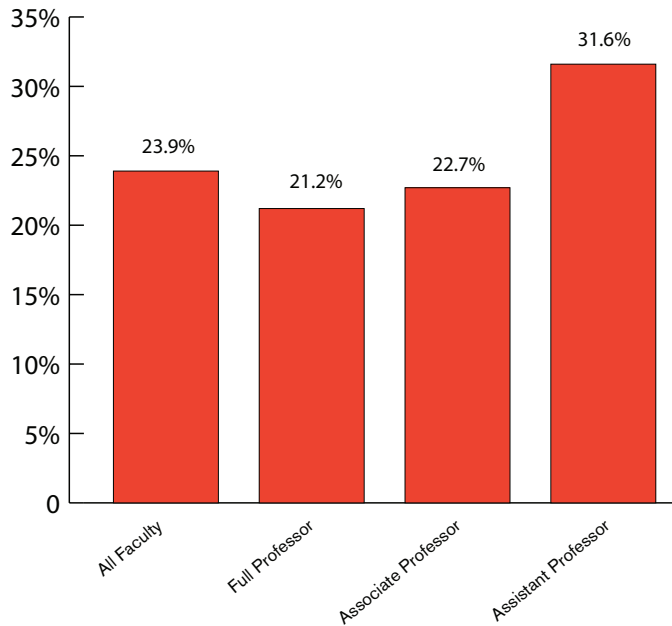
PERCENTAGE OF AFRICAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY LEVEL*



PERCENTAGE OF HISPANIC TENURED/TENURE-TRACK FACULTY BY LEVEL*



PERCENTAGE OF ASIAN TENURED/TENURE-TRACK FACULTY BY LEVEL*



* Includes faculty from University of Puerto Rico, Mayaguez and Polytechnic Univ. of Puerto Rico

**AFRICAN-AMERICAN TENURED/
TENURE-TRACK FACULTY BY
SCHOOL**

1. Howard University	32
2. North Carolina A&T State Univ.	20
3. Georgia Institute of Technology	19
4. Southern University and A&M College	18
5. FAMU-FSU College of Engineering	14
6. Morgan State University	13
6. Pennsylvania State University	13
8. Massachusetts Inst. of Technology	12
9. University of Michigan	11
9. North Carolina State University	11
9. Prairie View A&M University	11
12. University of Florida	10
12. Virginia Tech	10
14. Cornell University	9
15. Tuskegee University	8
16. Clemson University	7
16. Univ. of Illinois, Urbana-Champaign	7
16. New Jersey Institute of Technology	7
16. Purdue University	7
16. Tennessee State University	7

337 schools reported.

**ASIAN TENURED/TENURE-TRACK
FACULTY BY SCHOOL**

1. Purdue University	107
2. Texas A&M University	105
3. Georgia Institute of Technology	96
3. Univ. of Illinois, Urbana-Champaign	96
5. University of Florida	80
6. University of Michigan	78
6. Ohio State University	78
8. Iowa State University	71
8. North Carolina State University	71
10. Arizona State University	67
11. University of Texas, Arlington	64
12. Michigan State University	62
13. Virginia Tech	60
13. University of Washington	60
15. University of California, Los Angeles	58
16. University of California, Davis	57
16. University of Nebraska, Lincoln	57
18. SUNY, Buffalo	56
19. University of Central Florida	54

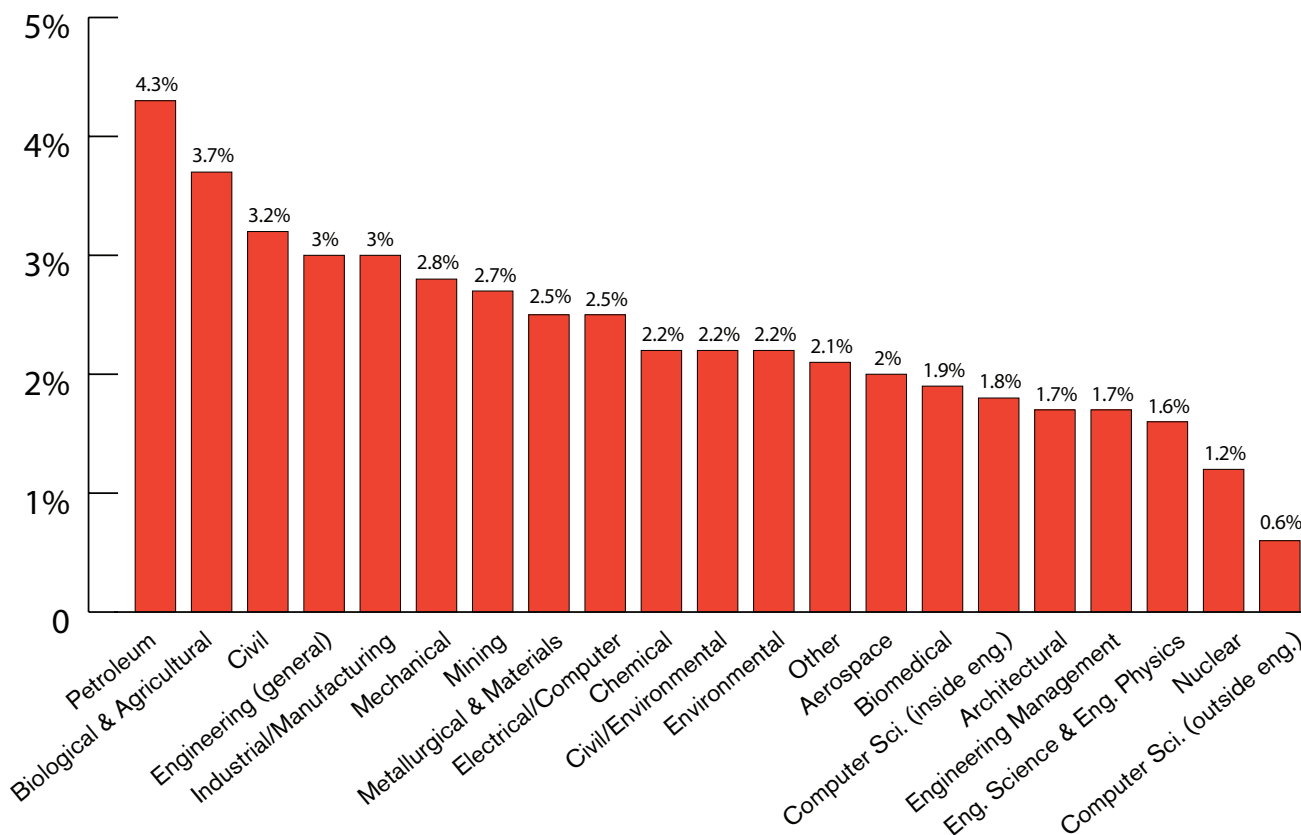
337 schools reported.

**HISPANIC TENURED/TENURE-
TRACK FACULTY BY SCHOOL**

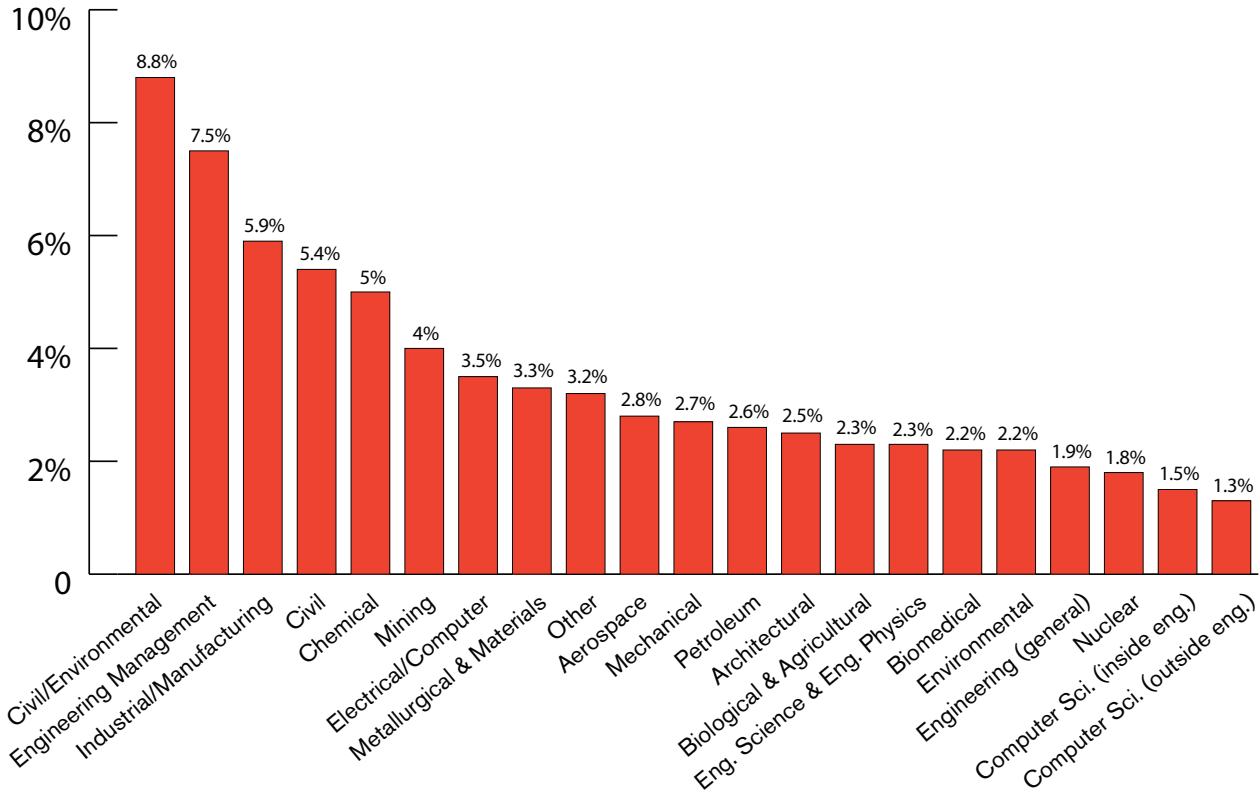
1. Univ. of Puerto Rico, Mayaguez	146
2. Polytechnic Univ. of Puerto Rico	70
3. Texas A&M University	24
4. University of Texas, El Paso	20
5. Pennsylvania State University	18
6. Carnegie Mellon University	17
7. Virginia Tech	16
8. Massachusetts Inst. of Technology	15
9. Purdue University	13
10. Georgia Institute of Technology	12
10. University of Texas, Austin	12
12. Arizona State University	11
12. University of California, Berkeley	11
12. Univ. of Illinois, Urbana-Champaign	11
15. University of Florida	10
16. University of Arizona	9
16. Colorado State University	9
16. University of Colorado, Boulder	9
16. University of South Florida	9
20. California Poly. State U., SLO	8
20. New Mexico State University	8
20. Stanford University	8

337 schools reported.

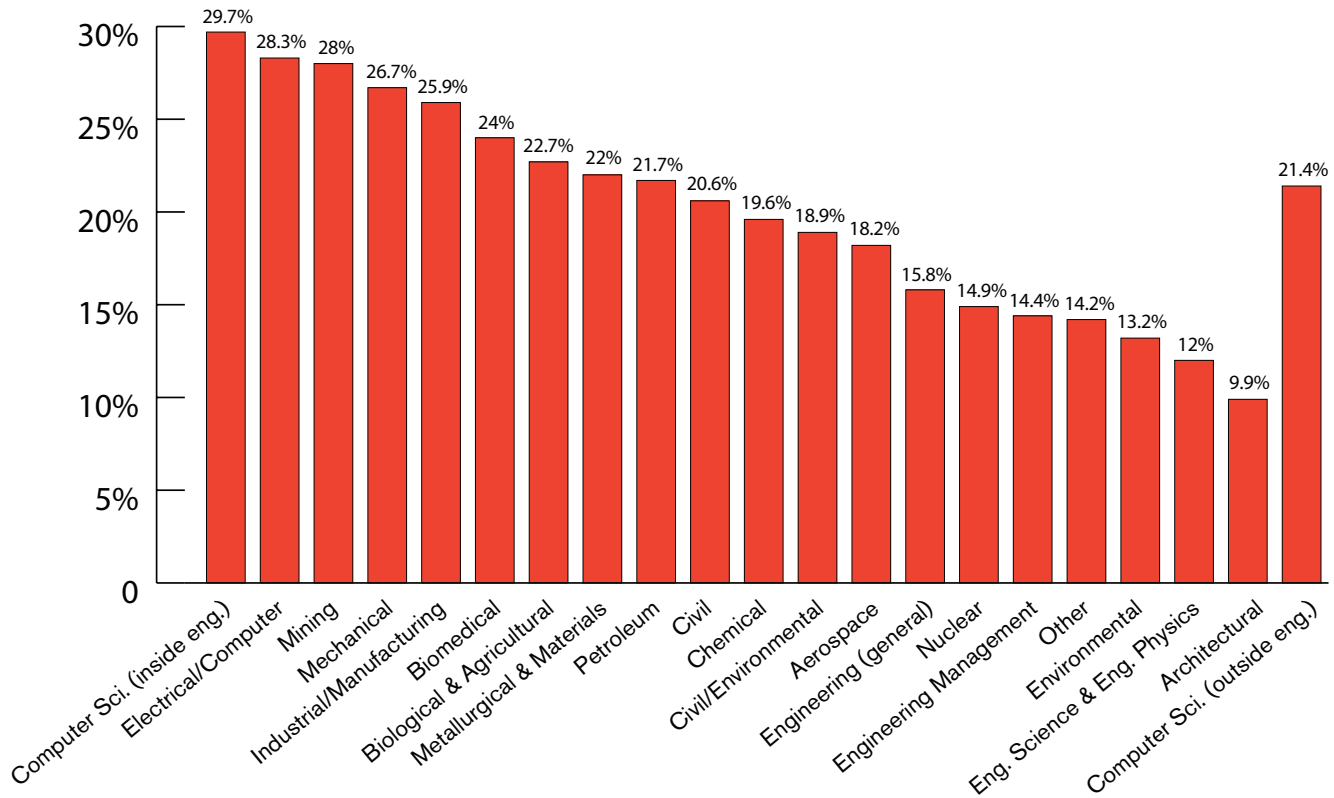
PERCENTAGE OF AFRICAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 2.5%



PERCENTAGE OF HISPANIC TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 3.6%



PERCENTAGE OF ASIAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 23.9%



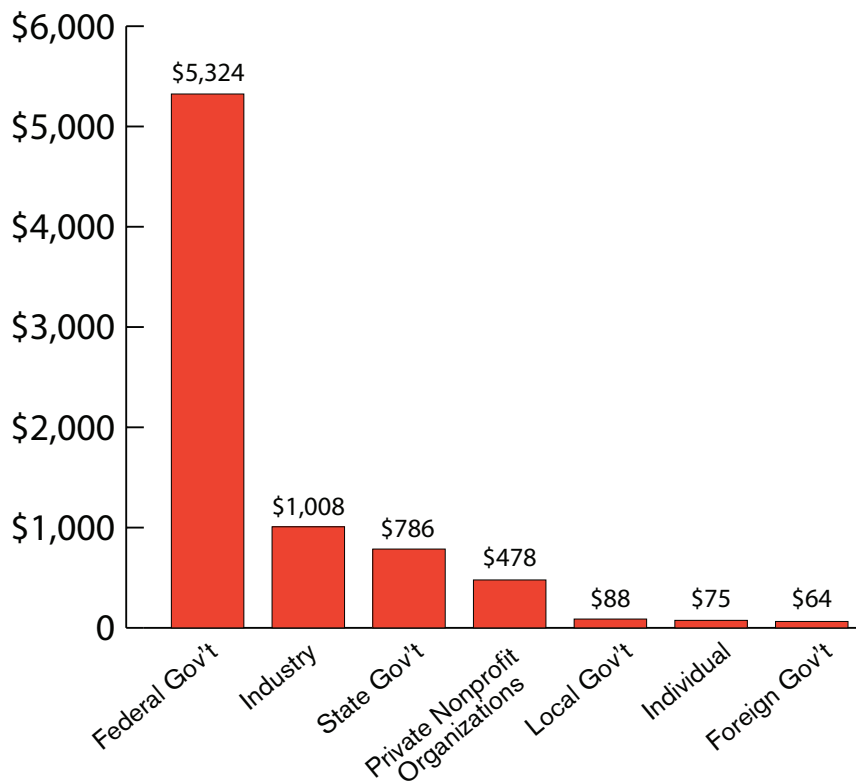
RESEARCH EXPENDITURES BY SCHOOL

(IN MILLIONS)

1. Massachusetts Inst. of Technology	\$306.0
2. Texas A&M University	\$267.4
3. Georgia Institute of Technology	\$215.4
4. Univ. of Illinois, Urbana-Champaign	\$213.2
5. Stanford University	\$193.5
6. University of California, Berkeley	\$183.3
7. University of Southern California	\$183.1
8. University of Michigan	\$180.6
9. Purdue University	\$180.0
10. Carnegie Mellon University	\$177.6
11. University of Texas, Austin	\$151.6
12. University of California, San Diego	\$143.4
13. Univ. of Maryland, College Park	\$140.6
14. Virginia Tech	\$134.8
15. North Carolina State University	\$129.4
16. University of Wisconsin, Madison	\$126.0
17. Cornell University	\$125.3
18. Pennsylvania State University	\$124.7
19. Ohio State University	\$120.4
20. Northwestern University	\$117.0
21. University of Washington	\$110.0
22. University of Florida	\$104.0
23. University of Minnesota, Twin Cities	\$94.5
24. University of California, Los Angeles	\$92.7
25. University of Dayton	\$90.5
26. California Institute of Technology	\$88.3
27. University of California, Davis	\$87.1
28. University of Rochester	\$82.8
29. University of Colorado, Boulder	\$79.7
30. Boston University	\$77.7
31. Iowa State University	\$74.4
32. Arizona State University	\$72.9
33. University of Pittsburgh	\$72.0
34. Princeton University	\$71.6
35. Johns Hopkins University	\$70.2
36. University of Utah	\$68.4
37. Duke University	\$68.2
38. University of California, Irvine	\$67.1
39. University of Virginia	\$64.2
40. University of Central Florida	\$62.2
41. SUNY, Buffalo	\$61.3
42. Colorado State University	\$57.6
43. Auburn University	\$55.4
44. Vanderbilt University	\$55.2
45. Mississippi State University	\$54.5
46. University of Iowa	\$49.1
47. University of Arizona	\$48.0
48. University of Pennsylvania	\$47.7
48. Rutgers University	\$47.7
50. University of Tennessee, Knoxville	\$47.6

203 total schools reported.

RESEARCH EXPENDITURES BY SOURCE IN MILLIONS OF DOLLARS: \$7,822



COMPUTER SCIENCE RESEARCH EXPENDITURES LOCATED OUTSIDE OF ENGINEERING BY SCHOOL

(IN MILLIONS)

1. Carnegie Mellon University	\$81.3
2. University of Maryland, College Park	\$25.4
3. Georgia Institute of Technology	\$24.7
4. University of Wisconsin, Madison	\$22.5
5. University of Texas, Austin	\$22.0
6. University of Massachusetts Amherst	\$17.7
7. University of California, Irvine	\$11.2
8. Purdue University	\$10.3
9. University of Alabama, Huntsville	\$8.3
10. Duke University	\$5.7
11. Northeastern University	\$5.0
12. Rutgers University	\$4.8
13. Rensselaer Polytechnic Institute	\$4.1
14. University of Arizona	\$3.4
15. University of Houston	\$3.4
16. Univ. of North Carolina, Charlotte	\$3.1
17. University of Pittsburgh	\$2.8
18. Worcester Polytechnic Institute	\$2.5
19. Dartmouth College	\$2.2
20. Louisiana State University	\$2.1

32 schools reported.

* Schools are not required to report this data to ASEE.

HIGHEST RATIO OF BACHELOR'S DEGREE RECIPIENTS TO FACULTY BY SCHOOL*

1. California State Poly. U., Pomona	7.82
2. University of Saint Thomas	6.58
3. San Jose State University	6.44
4. Kettering University	6.35
5. U.S. Naval Academy	6.18
6. California Poly. State U., SLO	6.14
7. Embry Riddle Aero. U., Prescott	6.00
8. Worcester Polytechnic Institute	5.65
9. Florida International University	5.64
10. Rensselaer Polytechnic Institute	5.56
11. Ohio Northern University	5.44
12. University of North Florida	5.33
13. LeTourneau University	5.31
14. Michigan Technological University	5.29
14. Pennsylvania State University, Erie	5.29
16. Arkansas Tech University	5.17
17. California State University, Sacramento	5.13
18. North Dakota State University	5.10
18. San Francisco State University	5.10
20. University of Central Florida	5.03

* Minimum of 50 degrees awarded
261 schools fit the criteria for this table.
Faculty refers to tenured/tenure-track faculty members.

LOWEST RATIO OF BACHELOR'S DEGREE RECIPIENTS TO FACULTY BY SCHOOL*

1. Howard University	1.13
1. University of North Texas	1.13
3. California Institute of Technology	1.17
4. Yale University	1.19
5. George Washington University	1.24
6. University of Memphis	1.51
7. Massachusetts Inst. of Technology	1.57
7. Old Dominion University	1.57
9. William Marsh Rice University	1.59
10. Wayne State University	1.65
11. Princeton University	1.66
12. University of California, Santa Barbara	1.68
12. University of New Mexico	1.68
14. Univ. of Tennessee, Chattanooga	1.70
15. University of California, Santa Cruz	1.72
16. Stanford University	1.77
17. Northwestern University	1.81
18. Harvard University	1.86
19. University of Mississippi	1.87
20. University of Texas, Arlington	1.88

* Minimum of 50 degrees awarded.
261 schools fit the criteria for this table.
Faculty refers to tenured/tenure-track faculty members.

HIGHEST RATIO OF RESEARCH EXPENDITURES TO DOCTORAL DEGREE RECIPIENTS* (IN MILLIONS)

1. University of Dayton	\$4.11
2. University of Alabama, Huntsville	\$2.03
3. FAMU-FSU College of Engineering	\$2.02
3. University of Rochester	\$2.02
5. Boston University	\$1.73
6. Carnegie Mellon University	\$1.68
7. Texas A&M University	\$1.55
8. University of Kentucky	\$1.54
9. Colorado State University	\$1.52
10. University of Southern California	\$1.50
11. SUNY, Buffalo	\$1.46
11. Yale University	\$1.46
13. Oklahoma State University	\$1.45
14. University of Pittsburgh	\$1.38
15. Duke University	\$1.34
16. Mississippi State University	\$1.24
17. Vanderbilt University	\$1.23
18. Harvard University	\$1.20
19. University of California, San Diego	\$1.19
19. University of Maryland, College Park	\$1.19
21. University of Iowa	\$1.17
21. University of Missouri	\$1.17
21. University of Virginia	\$1.17
24. University of Wisconsin, Madison	\$1.16
25. Colorado School of Mines	\$1.11
26. California Institute of Technology	\$1.10
27. University of Utah	\$1.09
28. Louisiana Tech University	\$1.07
29. Auburn University	\$1.04
29. Univ. of Massachusetts, Amherst	\$1.04
29. New Jersey Institute of Technology	\$1.04
29. University of Washington	\$1.04
33. Massachusetts Inst. of Technology	\$1.03
34. Iowa State University	\$1.01
35. Johns Hopkins University	\$0.99
36. City College of the CUNY	\$0.98
36. Princeton University	\$0.98
38. Northwestern University	\$0.97
39. Stevens Institute of Technology	\$0.96
40. University of Colorado, Boulder	\$0.94
41. Brown University	\$0.93
41. North Carolina State University	\$0.93
41. Ohio State University	\$0.93
44. West Virginia University	\$0.92
45. Cornell University	\$0.91
45. University of Nebraska	\$0.91
45. Purdue University	\$0.91
48. University of Central Florida	\$0.90
48. University of Kansas	\$0.90
48. Michigan Technological University	\$0.90

* Minimum of 15 doctoral degrees awarded
124 schools fit this criterion.

HIGHEST PERCENTAGE OF DOCTORAL DEGREES TO FOREIGN NATIONALS BY SCHOOL*

1. University of Arkansas	88.9%
2. University of Houston	81.1%
3. Florida International University	80.0%
3. New Jersey Institute of Technology	80.0%
5. Lehigh University	79.6%
6. Illinois Institute of Technology	78.6%
6. SUNY, Buffalo	78.6%
8. Northeastern University	77.8%
8. University of Texas, Dallas	77.8%
10. University of Cincinnati	77.4%
11. University of Texas, Arlington	76.8%
12. West Virginia University	75.9%
13. University of Oklahoma	74.4%
14. University of Southern California	73.8%
15. Syracuse University	72.4%
16. Texas A&M University	72.1%
17. SUNY, Binghamton	70.4%
18. Iowa State University	70.3%
19. Louisiana State University	69.8%
20. University of Illinois at Chicago	69.4%

* Minimum of 25 doctoral degrees awarded
92 schools fit this criterion.

LOWEST PERCENTAGE OF DOCTORAL DEGREES TO FOREIGN NATIONALS BY SCHOOL*

1. Colorado School of Mines	27.5%
2. University of Colorado, Boulder	29.4%
3. Michigan Technological University	29.6%
4. University of California, Berkeley	31.1%
5. University of California, Santa Cruz	32.4%
6. Vanderbilt University	33.3%
7. University of Virginia	36.4%
8. University of Washington	37.7%
9. George Washington University	38.1%
10. Washington University	39.6%
11. William Marsh Rice University	40.0%
12. Massachusetts Inst. of Technology	41.4%
13. Colorado State University	42.1%
14. Boston University	42.2%
15. Drexel University	42.4%
16. University of Iowa	42.9%
17. University of Notre Dame	43.5%
18. Harvard University	44.7%
19. Cornell University	45.3%
20. University of Wisconsin, Madison	45.9%

* Minimum of 25 doctoral degrees awarded
92 schools fit this criterion.

BACHELOR'S DEGREES BY DISCIPLINE 2001-2010

Bachelor's Degrees	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Aerospace	1,558	1,711	2,011	2,232	2,371	2,722	2,788	2,930	3,057	3,218
Architectural	554	513	627	590	722	631	625	646	723	753
Biological/Agricultural	549	556	603	601	635	646	659	623	631	719
Biomedical	1,138	1,315	1,628	2,019	2,410	2,917	2,969	3,237	3,644	3,670
Chemical	5,740	5,529	5,233	4,801	4,521	4,452	4,551	4,850	5,185	5,948
Civil	8,027	8,066	8,192	8,142	8,247	8,935	9,402	10,132	10,508	11,027
Civil/Environmental ¹	—	—	—	—	212	291	445	464	558	591
Computer	4,519	4,720	5,746	5,838	5,455	4,901	4,046	3,808	3,394	3,340
Computer Science (inside eng.)	6,062	6,842	8,649	9,156	8,419	7,330	6,446	5,964	5,652	6,049
Electrical	11,096	11,402	11,994	12,500	12,459	11,915	11,467	10,790	9,859	9,634
Electrical/Computer	2,444	2,597	2,782	2,700	2,924	2,825	2,425	2,216	2,194	2,175
Engineering (general)	992	1,069	1,105	1,138	1,179	1,176	1,246	1,160	1,246	1,335
Engineering Management	187	227	296	302	303	238	274	331	309	336
Eng. Science & Eng. Physics	475	489	451	501	383	431	460	472	431	526
Environmental	516	462	518	588	526	440	462	501	517	587
Industrial/Manufacturing	3,474	3,575	3,769	3,790	3,647	3,664	3,503	3,367	3,510	3,744
Mechanical	12,921	13,247	13,801	14,182	14,947	16,063	16,701	17,324	17,375	18,391
Metallurgical & Materials	791	838	859	817	840	909	963	1,095	1,035	1,152
Mining	144	110	94	79	88	117	111	138	176	191
Nuclear	118	145	135	202	275	342	402	415	378	414
Other	2,627	3,106	2,422	2,488	2,724	2,902	2,942	3,211	3,351	3,794
Petroleum	268	257	250	233	315	339	428	496	654	753
TOTAL	64,200	66,781	71,165	72,893	73,602	74,186	73,315	74,170	74,387	78,347

¹ New discipline added in 2005.

ENROLLMENT BY CLASS 2001-2010

UNDERGRAD ENROLLMENT	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Freshmen	96,962	98,353	97,706	97,514	95,961	102,125	106,110	110,543	113,588	118,831
Sophomores	76,571	78,107	80,768	80,083	78,317	79,883	83,753	88,227	94,111	97,909
Juniors	78,566	78,619	80,931	80,511	78,232	79,244	80,647	86,835	92,758	97,519
Seniors	106,972	113,501	117,298	117,988	114,741	112,950	115,180	117,586	127,046	136,426
TOTAL FULL TIME	359,071	368,580	376,703	376,096	367,576	374,202	385,690	403,191	427,503	450,685
TOTAL PART TIME	32,273	30,649	33,414	32,008	31,212	31,331	30,971	31,828	32,085	34,903

MASTER'S DEGREES BY DISCIPLINE 2001-2010

MASTERS DEGREES	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Aerospace	633	735	720	915	1,043	1,094	1,056	1,096	1,075	1,166
Architectural	119	98	111	160	164	112	116	119	121	131
Biological/Agricultural	143	150	139	191	173	182	149	155	171	197
Biomedical	526	652	762	862	1,007	1,326	1,156	1,221	1,396	1,447
Chemical	1,133	1,054	1,136	1,321	1,404	1,204	1,036	1,051	1,084	1,162
Civil	3,399	3,410	3,638	3,745	3,875	3,835	3,368	3,437	3,659	4,088
Civil/Environmental ¹	—	—	—	—	78	109	178	223	249	282
Computer	1,717	1,485	1,800	1,735	1,557	1,510	1,479	1,662	1,880	1,712
Computer Science (inside eng.)	3,845	4,096	5,163	5,797	5,735	5,197	4,913	4,924	5,373	5,230
Electrical	3,528	3,597	4,419	5,656	5,615	5,256	5,026	5,735	6,137	6,345
Electrical/Computer	3,556	3,348	3,653	4,393	4,243	3,753	3,532	3,757	3,682	3,459
Engineering (general)	426	377	607	642	539	671	602	612	729	745
Engineering Management	1,145	1,352	1,663	1,764	1,818	1,817	2,114	2,036	2,240	2,595
Eng. Science & Eng. Physics	372	417	344	315	282	315	205	194	170	248
Environmental	557	517	488	589	643	583	564	530	564	639
Industrial/Manufacturing	2,475	2,502	2,766	3,262	3,138	2,663	2,565	2,669	2,986	2,990
Mechanical	3,594	3,566	3,680	4,461	4,767	4,631	4,485	4,647	4,757	5,066
Metallurgical & Materials	605	568	642	737	743	702	702	715	771	771
Mining	39	34	27	36	30	36	37	48	39	29
Nuclear	161	141	212	197	181	246	255	268	264	305
Other	2,497	2,809	3,026	2,826	3,259	3,532	3,232	3,655	4,063	4,152
Petroleum	199	181	200	233	256	241	213	232	222	264
TOTAL	30,669	31,089	35,196	39,837	40,550	39,015	36,983	38,986	41,632	43,023

¹ New discipline added in 2005.

DOCTORAL DEGREES BY DISCIPLINE 2001-2010

DOCTORAL DEGREES	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Aerospace	216	211	197	210	259	244	259	252	276	254
Architectural	2	4	2	7	6	2	8	11	7	7
Biological/Agricultural	72	68	69	90	68	66	65	88	80	87
Biomedical	219	213	240	339	333	436	536	662	722	733
Chemical	645	632	592	655	805	834	898	888	836	905
Civil	574	628	618	644	725	767	770	706	707	681
Civil/Environmental ¹	—	—	—	—	20	29	51	100	87	92
Computer	80	76	95	125	115	191	193	216	230	248
Computer Science (inside eng.)	381	350	410	494	606	761	867	847	863	849
Electrical	691	627	644	720	834	939	1,064	1,006	959	992
Electrical/Computer	840	776	761	901	938	1,112	1,234	1,169	1,055	1,038
Engineering (general)	36	32	47	44	46	75	56	64	65	57
Engineering Management	32	26	30	40	35	39	37	35	44	46
Eng. Science & Eng. Physics	132	100	102	109	111	131	143	133	150	160
Environmental	57	83	89	124	112	129	133	138	143	134
Industrial/Manufacturing	231	274	275	306	302	348	398	401	381	352
Mechanical	858	796	792	855	964	1,132	1,161	1,140	1,216	1,078
Metallurgical & Materials	408	342	388	442	464	519	584	617	598	603
Mining	11	11	12	7	11	16	15	13	12	6
Nuclear	84	64	81	61	76	81	88	103	87	114
Other	443	429	398	403	457	460	447	447	511	517
Petroleum	32	30	28	28	46	40	48	50	54	42
TOTAL	6,044	5,772	5,870	6,604	7,333	8,351	9,055	9,086	9,083	8,995

¹ New discipline added in 2005.

UNDERGRADUATE ENROLLMENT BY DISCIPLINE 2001-2010

UNDERGRAD ENROLLMENT	2001		2002		2003		2004		2005
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time
Aerospace	9,410	346	9,386	386	10,834	476	11,436	409	15,882
Architectural	2,404	110	2,537	102	2,793	126	2,878	116	4,392
Biological/Agricultural	2,503	56	2,816	58	2,878	68	2,629	47	2,978
Biomedical	7,093	72	9,178	146	10,716	230	12,566	399	14,213
Chemical	23,534	1,392	22,641	1,328	21,926	1,310	22,088	1,274	21,727
Civil	37,449	3,769	39,031	3,451	41,442	3,911	43,590	3,874	42,007
Civil/Environmental ¹	—	—	—	—	—	—	—	—	1,264
Computer Science (inside eng.)	33,695	3,778	32,668	4,077	35,448	4,400	31,646	3,800	27,577
Electrical/Computer	102,943	12,173	102,983	11,158	99,658	11,525	91,366	10,646	79,883
Engineering (general)	7,520	547	7,864	413	7,607	536	7,052	635	16,140
Engineering Management	595	52	663	65	921	62	911	47	1,239
Eng. Science & Eng. Physics	1,761	57	2,310	88	2,246	48	2,332	39	3,161
Environmental	729	51	734	56	850	77	793	60	2,034
Industrial/Manufacturing	13,076	1,053	13,376	1,116	13,621	1,122	13,573	1,043	13,065
Mechanical	66,608	6,880	71,902	6,345	76,482	7,255	80,863	6,770	78,202
Metallurgical & Materials	3,063	117	3,087	126	3,181	110	3,215	147	3,577
Mining	482	36	456	47	450	20	566	26	599
Nuclear	845	28	960	39	1,259	42	1,371	60	1,562
Other	44,061	1,702	44,497	1,576	42,760	2,045	45,393	2,572	35,943
Petroleum	1,300	54	1,491	72	1,631	51	1,828	44	2,131
TOTAL	359,071	32,273	368,580	30,649	376,703	33,414	376,096	32,008	367,576

¹ New discipline added in 2005

Note: ASEE collected enrollment data at the department level until 2004. Enrollment data for 2005 was collected at the degree program level. This method is more accurate. However, some longitudinal continuity is lost between 2001-2004 and 2005. For example, some aerospace data was grouped with mechanical data prior to 2005 because mechanical engineering departments often award aerospace degrees. Consequently, the aerospace total is much larger in 2005. This effect is also apparent for some other disciplines.

2005	2006		2007		2008		2009		2010	
Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
588	15,945	654	16,551	633	17,561	664	18,108	601	18,482	785
134	3,986	187	4,205	199	4,033	130	3,618	179	3,677	183
72	3,038	68	3,103	103	3,191	78	3,778	96	3,911	127
464	15,411	481	16,153	518	17,798	519	19,558	504	21,166	556
1,323	23,455	1,269	25,852	1,431	28,636	1,326	32,050	1,476	34,506	1,563
3,448	44,389	3,783	47,296	3,709	50,167	4,430	53,436	4,784	53,520	5,008
185	1,790	245	2,437	259	2,546	247	2,929	235	3,185	302
4,678	27,062	4,355	27,348	4,202	27,766	4,081	29,959	4,092	32,921	4,690
8,977	75,302	8,979	72,353	8,389	73,343	8,158	75,061	7,952	77,270	8,427
680	18,139	526	21,944	1,039	22,856	1,186	22,903	1,226	25,035	1,022
37	1,014	35	1,034	31	1,224	23	1,036	24	1,005	36
486	3,533	525	2,510	105	2,643	99	2,497	84	2,618	66
112	2,304	130	2,791	172	3,227	308	4,085	338	4,549	360
1,170	12,970	1,054	12,921	1,019	13,476	1,184	14,224	1,033	14,751	1,151
6,636	80,288	6,786	82,246	6,843	85,249	7,089	91,856	7,082	96,164	7,687
175	3,862	184	4,019	210	4,312	164	4,520	146	4,970	173
26	730	36	806	50	834	51	916	68	1,039	80
61	1,667	75	1,771	64	1,832	41	2,207	60	2,399	89
1,865	36,503	1,877	36,955	1,897	38,468	1,922	40,536	1,912	44,914	2,311
95	2,814	83	3,395	98	4,029	128	4,226	193	4,603	287
31,212	374,202	31,331	385,690	30,971	403,191	31,828	427,503	32,085	450,685	34,903

MASTER'S ENROLLMENT BY DISCIPLINE 2001-2010

MASTER'S ENROLLMENT	2001	2002	2003	2004	2005	2006		
	Total	Total	Total	Total	Total	Full Time	Part Time	Total
Aerospace	1,741	1,631	1,984	2,162	2,428	1,758	627	2,385
Architectural	172	204	221	250	288	104	40	144
Biological/Agricultural	358	370	421	369	399	309	55	364
Biomedical	1,361	1,718	2,029	2,314	2,313	1,795	595	2,390
Chemical	2,729	2,958	2,854	2,746	2,328	1,285	678	1,963
Civil	8,721	9,180	9,435	9,298	7,554	5,067	2,432	7,499
Civil/Environmental ¹	—	—	—	—	211	127	125	252
Computer Science (inside eng.)	9,741	10,815	12,132	10,897	10,973	6,240	4,595	10,835
Electrical/Computer	24,443	28,125	28,420	26,049	22,794	14,950	8,731	23,681
Engineering (general)	713	1,008	1,132	1,209	1,736	698	1,012	1,710
Engineering Management	1,926	2,367	2,299	2,984	4,210	1,390	3,235	4,625
Eng. Science & Eng. Physics	413	493	499	364	377	193	134	327
Environmental	378	452	739	584	1,313	763	497	1,260
Industrial/Manufacturing	6,418	7,120	6,874	6,068	5,713	3,542	1,963	5,505
Mechanical	10,726	11,990	12,340	11,666	10,222	6,762	3,529	10,291
Metallurgical & Materials	1,270	1,229	1,109	1,027	1,213	904	303	1,207
Mining	107	110	110	112	96	68	33	101
Nuclear	307	284	312	310	475	422	100	522
Other	7,043	8,923	8,266	9,012	7,489	3,421	4,369	7,790
Petroleum	380	465	489	493	515	362	194	556
TOTAL	78,947	89,442	91,665	87,914	82,647	50,168	33,267	83,435

¹ New discipline added in 2005

Note: ASEE collected enrollment data at the department level until 2004. Enrollment data for 2005 was collected at the degree program level. This method is more accurate. However, some longitudinal continuity is lost between 2001-2004 and 2005. For example, some aerospace data was grouped with mechanical data prior to 2005 because mechanical engineering departments often award aerospace degrees. Consequently, the aerospace total is much larger in 2005. This effect is also apparent for some other disciplines.

2007			2008			2009			2010		
Full Time	Part Time	Total	Full Time	Part Time	Total	Full Time	Part Time	Total	Full Time	Part Time	Total
1,893	600	2,493	1,996	672	2,668	2,125	849	2,974	2,396	952	3,348
100	27	127	107	30	137	139	21	160	198	29	227
343	48	391	395	59	454	438	48	486	464	88	552
1,781	674	2,455	1,890	678	2,568	1,911	693	2,604	2,265	701	2,966
1,391	682	2,073	1,507	648	2,155	1,538	696	2,234	1,794	709	2,503
5,193	2,637	7,830	5,297	2,882	8,179	6,326	3,130	9,456	6,888	3,414	10,302
280	166	446	421	165	586	479	165	644	491	200	691
7,311	4,397	11,708	7,161	4,507	11,668	7,274	4,675	11,949	7,873	4,727	12,600
17,013	8,919	25,932	17,041	8,925	25,966	17,664	9,346	27,010	16,975	9,485	26,460
812	937	1,749	798	1,232	2,030	799	1,073	1,872	798	1,433	2,231
1,755	3,330	5,085	2,172	3,051	5,223	2,430	3,397	5,827	2,376	3,327	5,703
192	96	288	195	106	301	215	94	309	194	131	325
720	456	1,176	799	486	1,285	1,004	529	1,533	1,121	574	1,695
4,033	1,781	5,814	4,195	2,127	6,322	4,272	2,312	6,584	4,156	2,399	6,555
7,352	3,678	11,030	7,857	3,735	11,592	8,511	4,220	12,731	8,856	4,582	13,438
965	325	1,290	1,019	357	1,376	1,144	360	1,504	1,253	316	1,569
81	35	116	81	24	105	76	21	97	83	17	100
443	156	599	449	152	601	460	176	636	509	201	710
3,629	4,757	8,386	4,104	4,780	8,884	4,409	5,518	9,927	4,634	5,818	10,452
429	156	585	532	183	715	634	211	845	683	225	908
55,716	33,857	89,573	58,016	34,799	92,815	61,848	37,534	99,382	64,007	39,328	103,335

DOCTORAL ENROLLMENT BY DISCIPLINE 2001-2010

DOCTORAL ENROLLMENT	2001	2002	2003	2004	2005	2006		
	Total	Total	Total	Total	Total	Full Time	Part Time	Total
Aerospace	1,200	1,206	1,321	1,459	1,797	1,574	206	1,780
Architectural	57	61	65	65	44	24	1	25
Biological/Agricultural	350	373	412	400	461	459	48	507
Biomedical	1,949	2,348	2,903	3,546	3,936	4,054	357	4,411
Chemical	3,992	4,620	5,044	5,185	4,995	4,692	333	5,025
Civil	4,134	4,543	4,666	4,971	4,548	3,837	546	4,383
Civil/Environmental ¹	—	—	—	—	136	133	97	230
Computer Science (inside eng.)	3,264	3,941	4,835	5,174	6,406	5,452	894	6,346
Electrical/Computer	12,070	13,694	15,419	16,074	15,472	13,360	1,943	15,303
Engineering (general)	168	176	280	342	341	399	173	572
Engineering Management	299	477	342	487	314	88	152	240
Eng. Science & Eng. Physics	702	746	872	902	1,036	894	72	966
Environmental	270	293	472	416	875	649	120	769
Industrial/Manufacturing	1,850	2,050	2,246	2,427	2,546	2,046	475	2,521
Mechanical	5,584	6,212	7,117	7,295	6,777	6,129	853	6,982
Metallurgical & Materials	2,235	2,425	2,690	2,831	3,281	3,035	267	3,302
Mining	62	63	69	89	93	51	20	71
Nuclear	418	409	453	464	580	538	51	589
Other	2,683	3,441	3,200	3,664	3,201	2,540	788	3,328
Petroleum	159	185	198	210	238	171	40	211
TOTAL	41,446	47,263	52,604	56,001	57,077	50,125	7,436	57,561

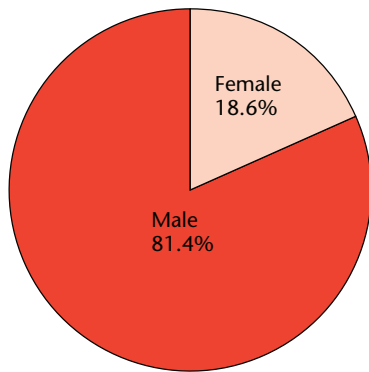
¹ New discipline added in 2005

Note: ASEE collected enrollment data at the department level until 2004. Enrollment data for 2005 was collected at the degree program level. This method is more accurate. However, some longitudinal continuity is lost between 2001-2004 and 2005. For example, some aerospace data was grouped with mechanical data prior to 2005 because mechanical engineering departments often award aerospace degrees. Consequently, the aerospace total is much larger in 2005. This effect is also apparent for some other disciplines.

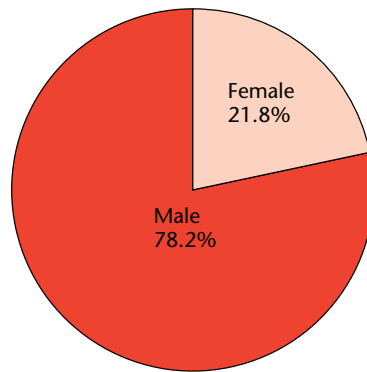
2007			2008			2009			2010		
Full Time	Part Time	Total	Full Time	Part Time	Total	Full Time	Part Time	Total	Full Time	Part Time	Total
1,462	195	1,657	1,520	183	1,703	1,711	202	1,913	1,797	199	1,996
20	7	27	34	2	36	49	4	53	52	3	55
476	48	524	526	63	589	591	64	655	641	87	728
4,305	363	4,668	4,518	376	4,894	4,863	426	5,289	5,183	418	5,601
4,684	296	4,980	4,865	289	5,154	5,142	333	5,475	5,277	348	5,625
3,704	615	4,319	3,587	592	4,179	3,961	664	4,625	4,302	730	5,032
262	115	377	375	122	497	383	126	509	382	119	501
5,367	940	6,307	5,527	781	6,308	5,855	906	6,761	6,084	947	7,031
13,435	1,996	15,431	13,519	1,862	15,381	14,506	1,934	16,440	14,964	2,078	17,042
380	119	499	370	150	520	413	158	571	540	93	633
102	159	261	95	162	257	112	225	337	138	228	366
880	57	937	926	55	981	896	66	962	905	46	951
771	100	871	706	122	828	779	105	884	849	115	964
1,940	509	2,449	1,965	467	2,432	2,253	504	2,757	2,326	555	2,881
6,070	867	6,937	6,454	819	7,273	7,183	893	8,076	7,767	907	8,674
3,384	236	3,620	3,419	248	3,667	3,597	218	3,815	3,733	208	3,941
78	27	105	64	13	77	71	12	83	52	8	60
598	49	647	623	44	667	660	45	705	758	47	805
2,764	670	3,434	2,982	656	3,638	3,058	641	3,699	3,341	677	4,018
221	47	268	289	80	369	364	40	404	413	52	465
50,903	7,415	58,318	52,364	7,086	59,450	56,447	7,566	64,013	59,504	7,865	67,369

ENROLLMENT BY GENDER

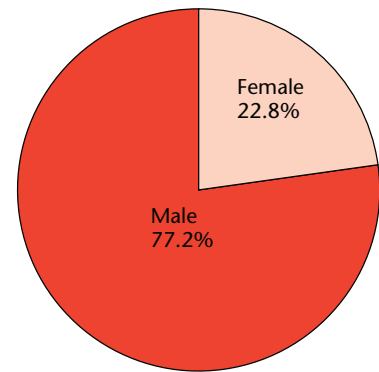
BACHELOR'S



MASTER'S

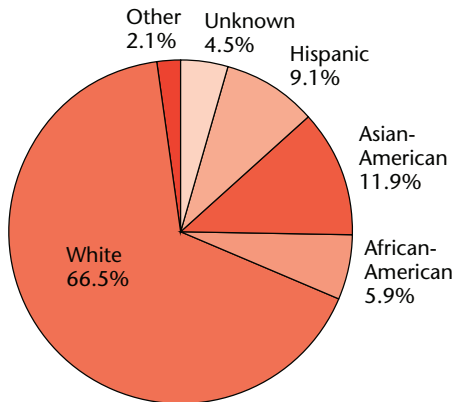


DOCTORAL

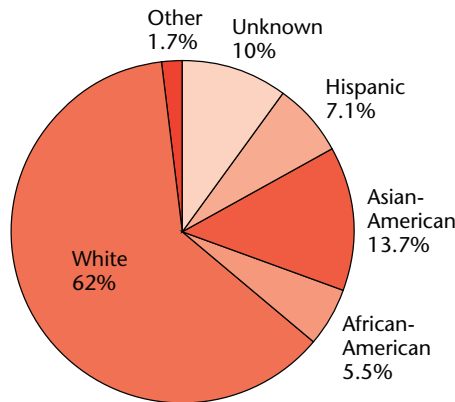


ENROLLMENT BY ETHNICITY*

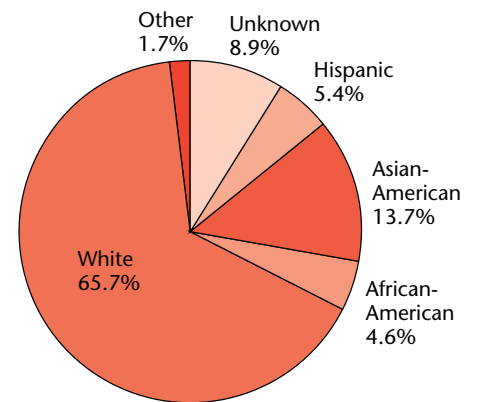
BACHELOR'S¹



MASTER'S²



DOCTORAL³

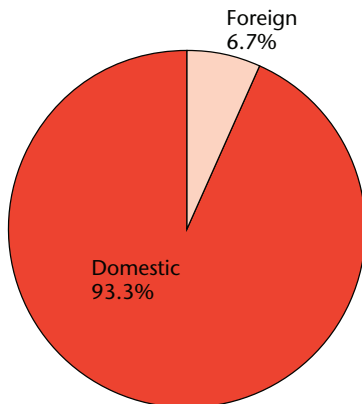


* Calculations for enrollment by ethnicity do not include schools from Puerto Rico or foreign nationals. The percentage of Hispanic enrollees is BS: 10.3%, MS: 7.6%, PhD: 5.7% if the two schools from Puerto Rico are included.

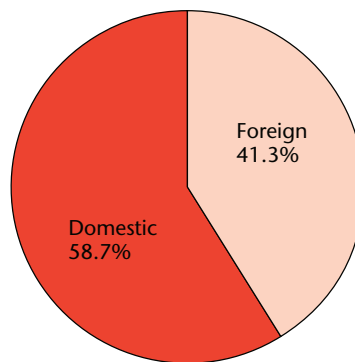
- 1 Sixteen institutions reported virtually all of their U.S. residents in the "unknown" category. These institutions were removed from the calculations for race and ethnicity. American Indians (0.6), Hawaiian/Pacific Islanders (0.1) and Two or More (1.4) are combined under Other.
- 2 Seven institutions reported virtually all of their U.S. residents in the "unknown" category. These institutions were removed from the calculations for race and ethnicity. American Indians (0.4), Hawaiian/Pacific Islanders (0.2) and Two or More (1.1) are combined under Other.
- 3 Seven institutions reported virtually all of their U.S. residents in the "unknown" category. These institutions were removed from the calculations for race and ethnicity. American Indians (0.4), Hawaiian/Pacific Islanders (0.2) and Two or More (1.1) are combined under Other.

ENROLLMENT BY RESIDENCY

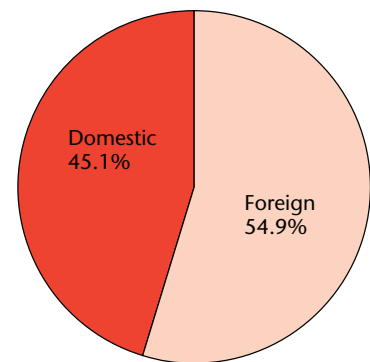
BACHELOR'S



MASTER'S



DOCTORAL



BACHELOR'S TOTAL*
450,685

MASTER'S TOTAL
103,335

DOCTORAL TOTAL
67,369

*Enrollment total at the bachelor's degree level is for full-time students.

Forty-three Canadian institutions are currently accredited by the Canadian Engineering Accreditation Board. Eleven of those institutions participated in the 2010 ASEE Survey of Engineering Colleges. The data submitted by these institutions display similar trends as those seen at U.S. institutions. The representation of women is almost identical at the bachelor's and master's level in both countries, while faculty trends for women are also very close.

ENGINEERING BACHELOR'S DEGREES AWARDED BY SCHOOL

1. University of Toronto	922
2. University of Waterloo	862
3. University of British Columbia	788
4. University of Alberta	740
5. Ecole de Technologie Superieure	628
6. Ecole Polytechnique de Montreal	563
7. McGill University	497
8. University of Calgary	468
9. Concordia University, Montreal	410
10. University of Ottawa	325
11. University of Western Ontario	246

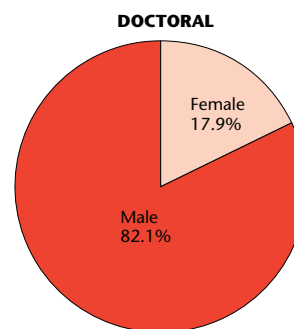
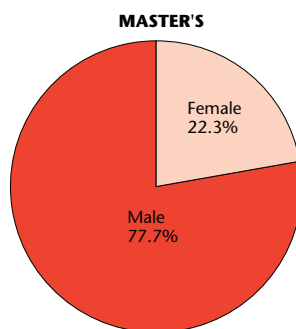
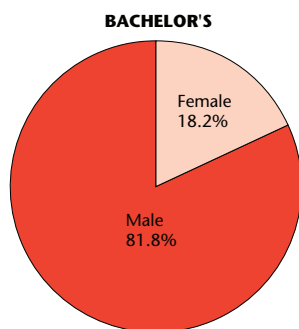
ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL

1. University of Waterloo	430
2. Concordia University, Montreal	398
3. University of Toronto	387
4. Ecole Polytechnique de Montreal	268
5. University of Calgary	210
6. University of Alberta	206
7. University of British Columbia	174
8. Ecole de Technologie Superieure	133
9. University of Ottawa	119
10. McGill University	118

ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL

1. University of Toronto	98
2. University of Waterloo	94
3. Ecole Polytechnique de Montreal	78
4. University of British Columbia	70
5. University of Calgary	66
6. University of Alberta	65
7. McGill University	59
8. Concordia University, Montreal	49
9. Ecole de Technologie Superieure	30
10. University of Ottawa	28

ENGINEERING DEGREES AWARDED BY GENDER



RESEARCH EXPENDITURES BY SCHOOL

(IN MILLIONS)

1. Ecole Polytechnique de Montreal	\$45.2
2. University of Calgary	\$41.9
3. University of Alberta	\$34.8
4. University of British Columbia	\$30.8
5. University of Ottawa	\$13.2
6. Concordia University, Montreal	\$12.3

TENURED/TENURE-TRACK FACULTY MEMBERS BY SCHOOL

1. University of Waterloo	232
2. University of Toronto	210
3. Ecole Polytechnique de Montreal	209
4. University of Alberta	186
5. University of British Columbia	185
6. Concordia University, Montreal	162
7. University of Calgary	141
8. Ecole de Technologie Superieure	138
9. McGill University	133
10. University of Ottawa	112
11. University of Western Ontario	89

PERCENTAGE OF TENURED/TENURE-TRACK FACULTY MEMBERS WHO ARE WOMEN BY LEVEL

