

ENGINEERING BY THE NUMBERS

BY BRIAN L. YODER, PH.D.

BACHELOR'S DEGREES AND ENROLLMENT

Degrees awarded to students graduating with a bachelor's degree from an engineering program increased by 7.5 percent from 2014 to 2015, continuing a trend of annual growth since 2007. Some of the largest year-to-year percentage increases were seen in computer engineering-related programs: Computer Engineering, 16.2 percent; Computer Science (inside engineering), 17.6 percent; and Electrical/Computer Engineering, 21.3 percent. Electrical Engineering was an outlier, showing only a 1.1 percent gain in bachelor's degrees over the previous year.

Full-time enrollment in undergraduate engineering programs increased by 7.4 percent over 2014, continuing a growth trend evident since 2005. The largest gains were in Computer Science (inside engineering), 17.6 percent, and Engineering Management, 23.5 percent. Only two programs saw a decrease in enrollment at the bachelor's degree level: Engineering (General), which fell by 7.6 percent, and Mining Engineering, which saw a 13.4 percent drop.

MASTER'S DEGREES AND ENROLLMENT

Master's degrees awarded in 2015 increased by 11.1 percent over 2014. Similar to the trend in bachelor's degrees, computer engineering-related programs saw some of the largest percentage increases at the Master's level: Computer Science (inside engineering) rose by 32.2 percent, Electrical Engineering by 18.8 percent; and Electrical/Computer Engineering by 20.4 percent. Engineering programs related to extraction of resources also saw large gains in Master's degrees between 2014 and 2015, with Mining Engineering showing a 65.3 percent gain and Petroleum Engineering growing by 25.4 percent.

Enrollment in engineering Master's degree programs increased by 6.7 percent from 2014 to 2015. Chemical Engineering saw the largest increase: 14.4 percent. Architectural Engineering enrollment showed the biggest drop: 17.2 percent.

DOCTORAL DEGREES AND ENROLLMENT

Engineering Doctoral degrees increased by 3.4 percent over 2014. The largest percentage gains were seen in Computer Engineering, Mining Engineering, and Engineering Management, which saw 19.0 percent, 41.2 percent, and 15.6 percent gains over 2014, respectively. Meanwhile, enrollment in engineering doctoral programs increased by 7.6 percent, with Engineering Management showing the biggest gain: 33.1 percent. The largest decrease was in Environmental Engineering, which fell by 6.2 percent.

ENGINEERING STUDENTS FROM OTHER COUNTRIES

Students from outside the United States earned approximately the same percentage of Engineering degrees as in 2014, but their enrollment increased at all degree levels. The percentage of Bachelor's degrees increased slightly, to 9.1 percent, while undergraduate enrollment increased a full percentage point, to 9.8 percent. The percentage of Master's degrees decreased slightly to 47.0 percent, but enrollment increased to 56.1 percent. The percentage of Doctoral degrees awarded to international students fell slightly in 2015 to 54.7 percent, while enrollment was up about 2 percent to 56.9 percent.

FEMALE ENGINEERING STUDENTS

Continuing a trend of the past several years, women represented a larger percentage of Master's and Doctoral students in 2015 than the year before. They also earned a larger share of graduate than of Bachelor's degrees. Females were awarded 19.9 percent of all Bachelor's degrees awarded by an engineering program in 2015 and made up 21.4 percent of undergraduates enrolled in engineering. They received 25.2 percent of Master's degrees and 23.1 percent of doctoral degrees in 2015. Women represented 24.1 percent of students studying for a Master's degree in 2015 and 26.2 percent of those pursuing a doctorate.

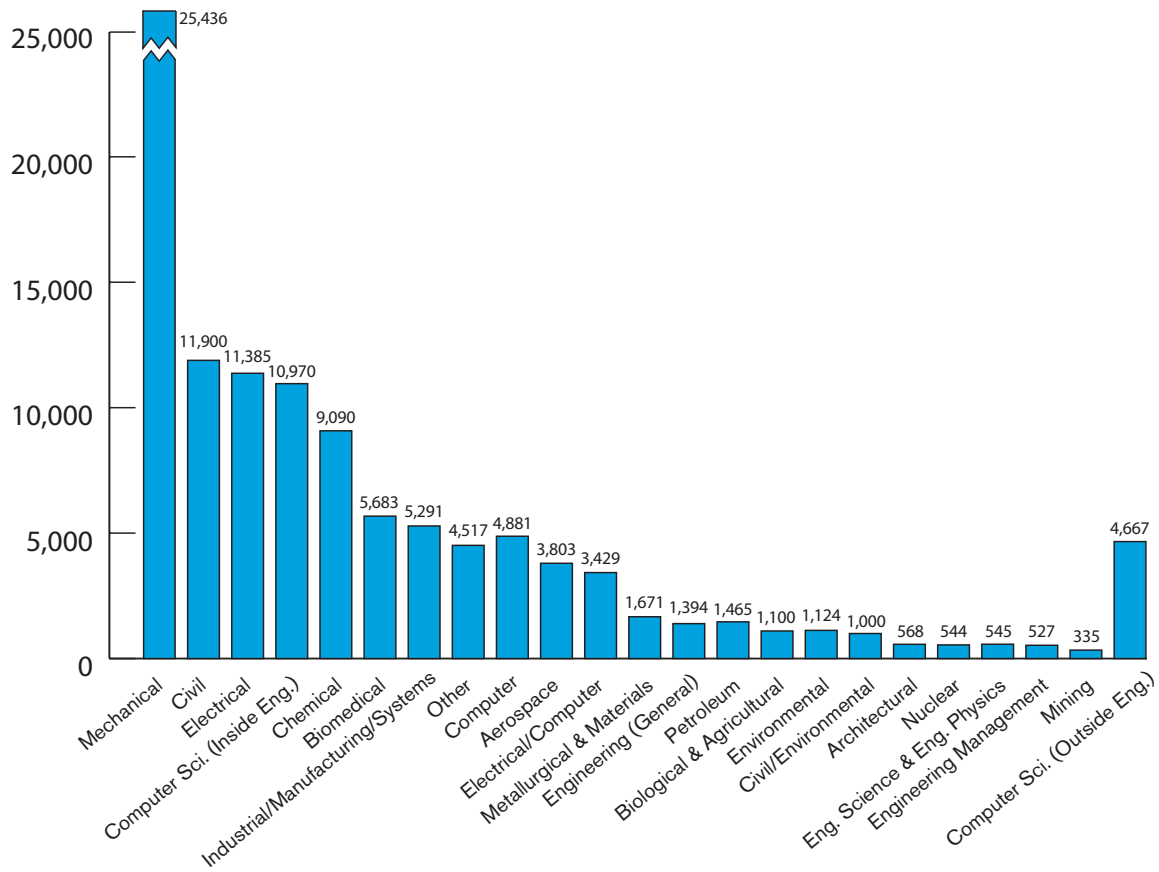
FACULTY

The number of tenured and tenure-track faculty increased from the prior year to 26,839. The number of full professors reached 13,111 as of the fall of 2014, only slightly less than the combined total of associate and assistant professors – 7,459 and 6,269, respectively. Women increased their representation in faculty ranks to 15.7 percent, a more than 4 percent gain since 2006. African Americans stayed at the same percentage as last year, 2.5 percent, having gained only a 0.1 percent share since 2006. Hispanics also stayed at the same percentage as last year, 3.9 percent, a 0.6 percent gain since 2006. The proportion of Asians grew to 26.3 percent of all engineering faculty in 2015.

More detailed data for 368 U.S. and 9 Canadian engineering colleges can be found in the following pages of the 2015 Profiles of Engineering and Engineering Technology Colleges or online at www.asee.org/colleges.

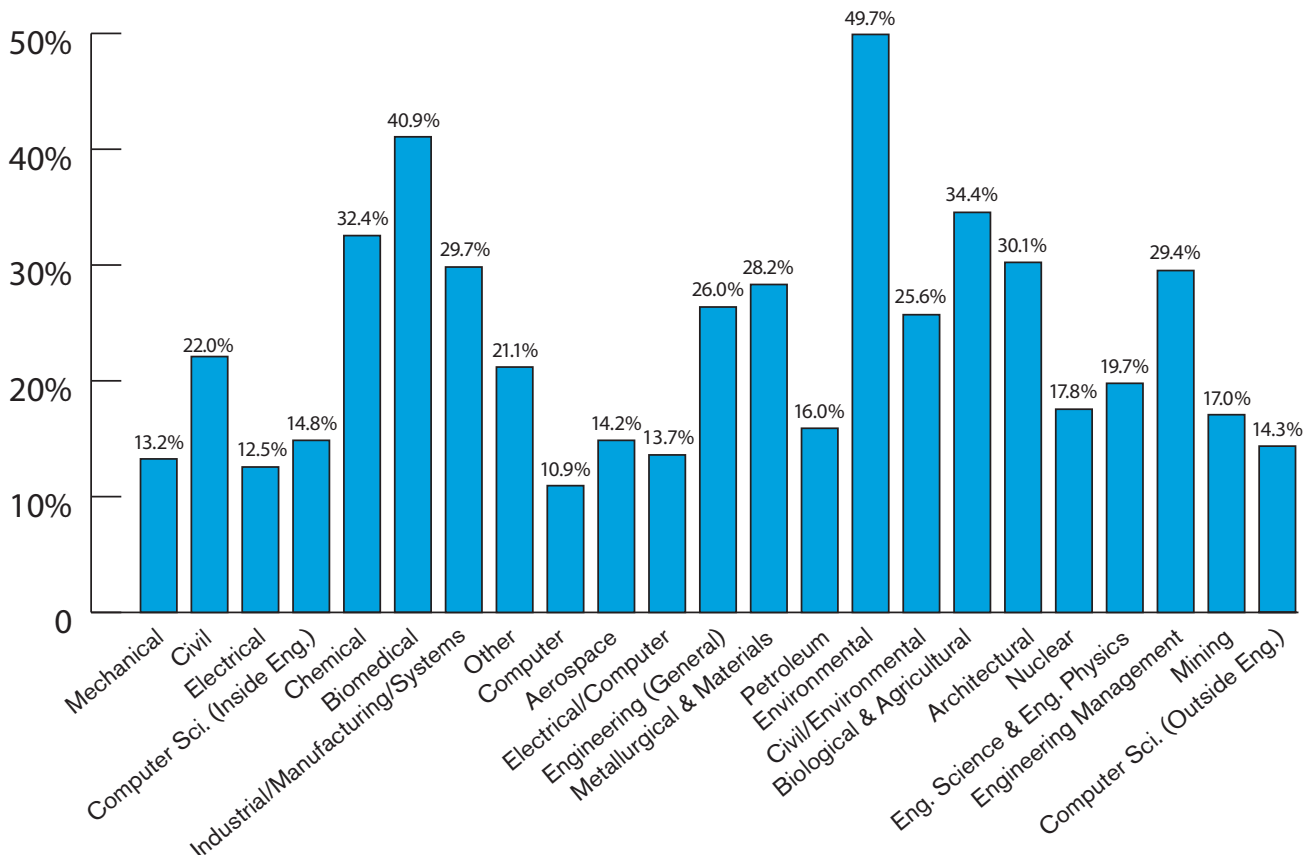
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BACHELOR'S DEGREES AWARDED BY ENGINEERING DISCIPLINE: 106,658*



*Total does not include computer science (outside engineering).

PERCENTAGE OF BACHELOR'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 19.9% OF TOTAL

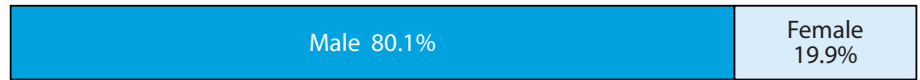


ENGINEERING BACHELOR'S DEGREES AWARDED BY SCHOOL

1. Univ. of Illinois, Urbana-Champaign	2,012
2. Georgia Institute of Technology	1,985
3. Virginia Tech	1,666
4. Purdue University	1,626
5. The Pennsylvania State University	1,624
6. Texas A&M University	1,490
7. Ohio State University	1,483
8. University of Michigan	1,463
9. North Carolina State University	1,347
10. University of California, Berkeley	1,243
11. University of Central Florida	1,239
12. University of Florida	1,217
13. University of California, San Diego	1,198
14. Iowa State University	1,155
15. University of Texas, Austin	1,135
16. Arizona State University	1,123
17. California Polytechnic State University	1,072
18. Missouri Univ. of Science and Tech.	995
19. University of Washington	969
20. Colorado School of Mines	917
21. Oregon State University	916
22. University of Minnesota, Twin Cities	905
23. University of Maryland, College Park	887
24. Clemson University	822
25. Cornell University	820
26. University of Wisconsin, Madison	813
27. California State Poly. U., Pomona	807
28. Rutgers University	790
29. University at Buffalo, SUNY	782
30. Massachusetts Institute of Technology	764
31. Florida International University	758
31. Louisiana State University	758
33. Drexel University	753
34. University of California, Los Angeles	748
35. Auburn University	745
36. University of Colorado, Boulder	741
37. Stony Brook University	738
38. University of California, Davis	709
39. Washington State University	703
40. Texas Tech University	676
41. Rensselaer Polytechnic Institute	670
42. Michigan Technological University	654
42. University of Virginia	654
44. West Virginia University	649
45. Worcester Polytechnic Institute	647
46. University of California, Irvine	646
47. California State University, Long Beach	641
48. Michigan State University	632
49. University of Missouri	596
50. Stanford University	593

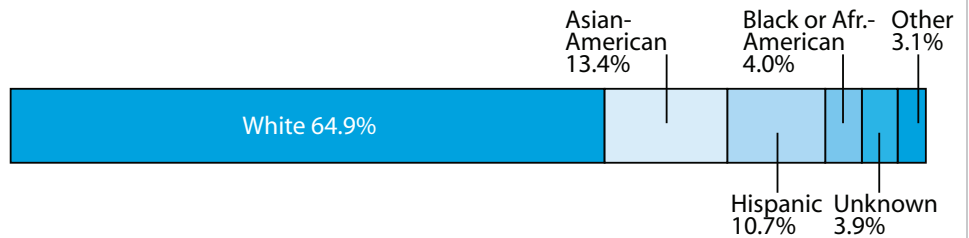
352 schools reported.

BACHELOR'S DEGREES BY GENDER, 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	19.3%	18.1%	18.0%	17.8%	18.1%	18.4%	18.9%	19.1%	19.9%
Male	80.7%	81.9%	82.0%	82.2%	81.9%	81.6%	81.1%	80.9%	80.1%

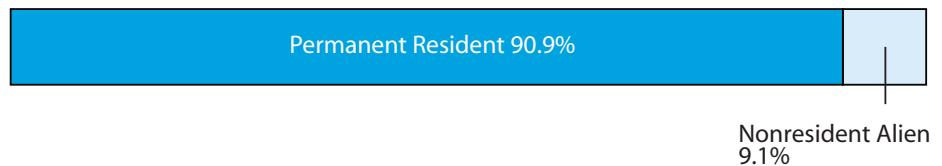
BACHELOR'S DEGREES BY ETHNICITY, 2015*



	2006	2007	2008	2009	2010	2011	2012	2013	2014
Black or African-American	5.0%	4.9%	4.7%	4.6%	4.5%	4.2%	4.2%	4.3%	3.5%
Hispanic	6.0%	6.2%	6.5%	6.6%	7.0%	8.5%	9.0%	9.3%	10.1%
Other	8.5%	8.3%	8.9%	11.0%	1.2%	1.6%	2.0%	2.3%	2.9%
Asian American	13.8%	13.3%	13.0%	12.4%	12.2%	12.2%	12.2%	12.9%	13.1%
White	66.7%	67.3%	66.9%	65.4%	69.8%	66.6%	66.2%	65.7%	65.9%
Unknown				5.3%	6.9%	6.5%	5.6%	4.5%	

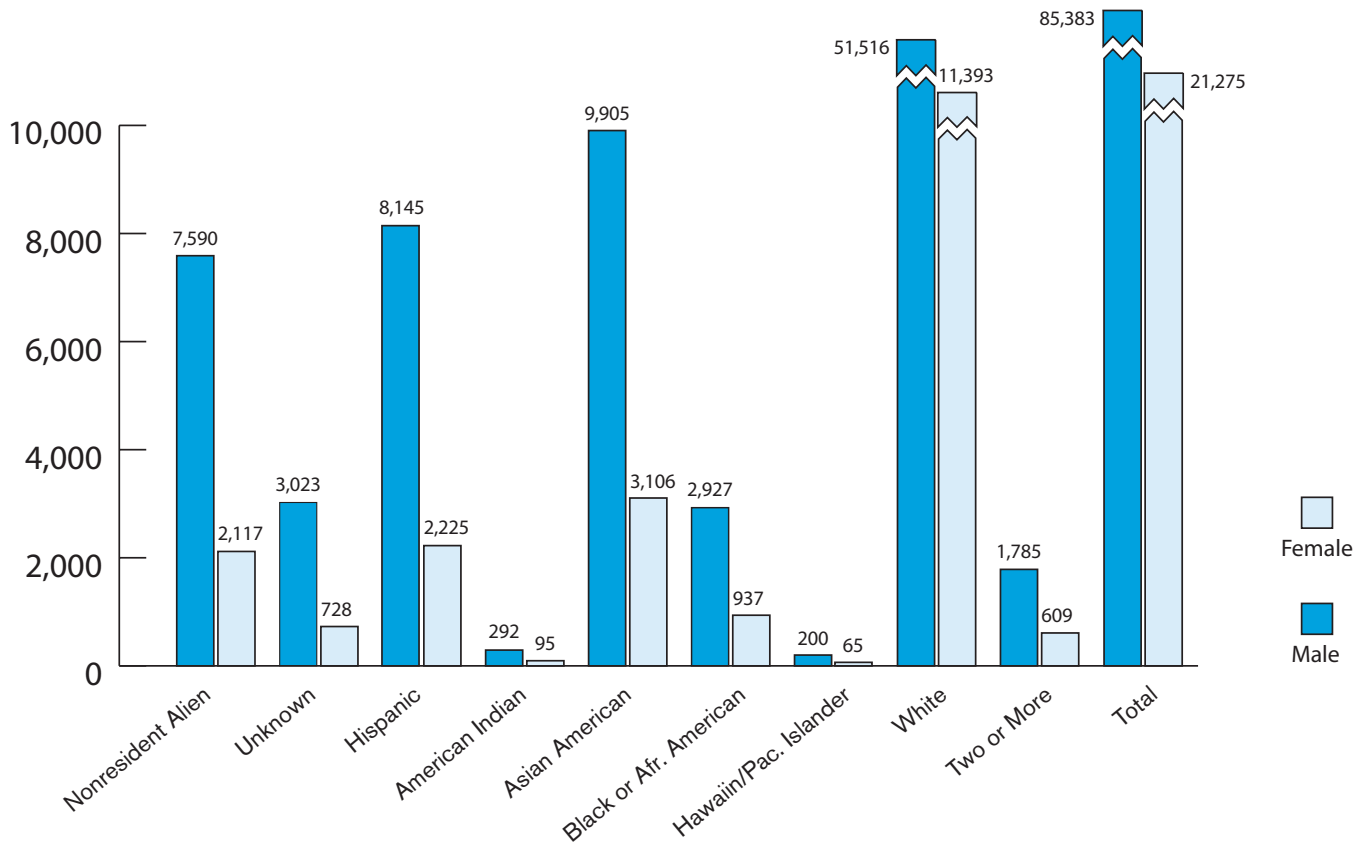
*American Indians (0.4%), Hawaiian/Pacific Islanders (0.3%) and Two or More (2.4%) are combined under Other.

BACHELOR'S DEGREES BY RESIDENCY, 2015



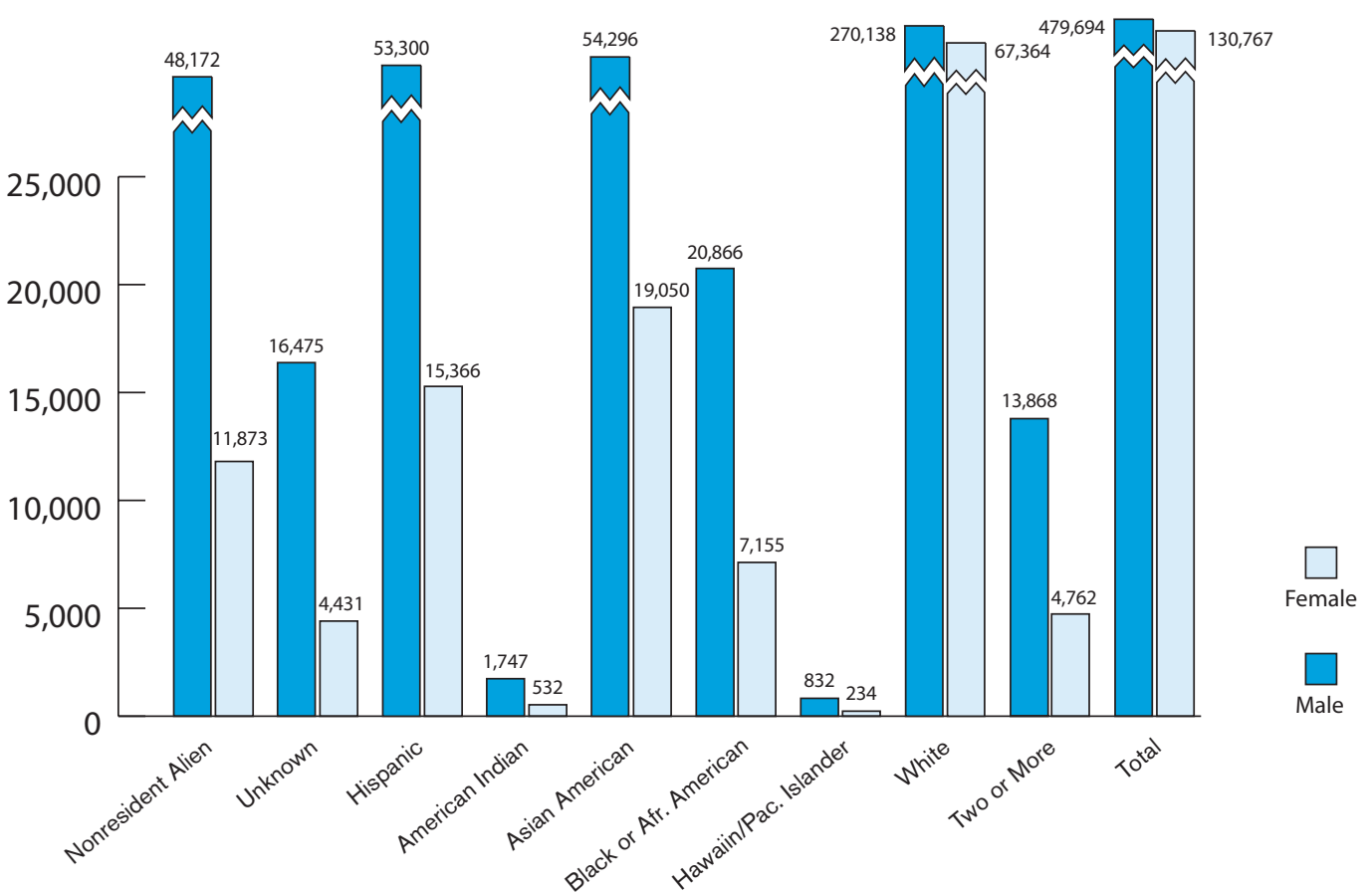
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Nonresident Alien	7.2%	6.7%	6.0%	6.0%	6.2%	6.7%	7.5%	7.8%	8.53%
Permanent Resident	92.8%	93.3%	94.0%	94.0%	93.8%	93.3%	92.5%	92.2%	91.5%

BACHELOR'S DEGREES AWARDED BY ETHNICITY AND GENDER: 106,658*



*Includes 702 male and 270 female graduates from schools in Puerto Rico.

UNDERGRADUATE ENROLLMENT BY ETHNICITY AND GENDER: 610,461*



BACHELOR'S DEGREES AWARDED TO WOMEN BY SCHOOL

1. Georgia Institute of Technology	517
2. Massachusetts Institute of Technology	349
3. University of Michigan	342
4. Purdue University	338
5. Univ. of Illinois, Urbana-Champaign	329
6. Ohio State University	310
7. Pennsylvania State University	302
8. University of Florida	288
9. Texas A&M University	286
10. Cornell University	279
11. Virginia Tech	278
12. University of California, San Diego	275
13. University of California, Berkeley	266
14. Colorado School of Mines	256
15. University of Texas, Austin	253
16. University of Washington	238
17. North Carolina State University	227
18. California Polytechnic State University	222
19. University of Virginia	205
20. Missouri Univ. of Science and Tech.	191
20. Worcester Polytechnic Institute	191
22. University of Maryland, College Park	184
23. Clemson University	183
24. Arizona State University	179
24. University of Central Florida	179
26. Drexel University	177
27. Columbia University	173
27. University of Puerto Rico, Mayaguez	173
29. Rensselaer Polytechnic Institute	171
30. University of Colorado, Boulder	168
31. Stanford University	166
32. Stony Brook University	163
33. University of California, Los Angeles	162
34. Iowa State University	161
35. University of California, Davis	160
36. Oregon State University	157
36. University of Wisconsin, Madison	157
38. Rutgers University	156
39. University of Southern California	150
40. University of Minnesota, Twin Cities	147
41. University of California, Irvine	145
42. Louisiana State University	138
43. University of Pennsylvania	136
44. Johns Hopkins University	133
45. Lehigh University	131
46. Florida International University	130
47. Auburn University	129
47. Carnegie Mellon University	129
47. Michigan Technological University	129
50. University of Delaware	128

352 schools reported.

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

1. Olin College of Engineering	48.8%
2. Massachusetts Institute of Technology	45.7%
3. Harvey Mudd College	41.6%
3. Howard University	41.6%
5. George Washington University	41.5%
6. Brown University	41.0%
7. Tuskegee University	38.9%
8. Princeton University	38.5%
9. William Marsh Rice University	37.7%
10. Southern Methodist University	36.6%
11. Dartmouth College	35.9%
12. Tulane University	35.7%
13. Columbia University	35.6%
14. Harvard University	35.4%
15. Bucknell University	34.7%
16. Yale University	34.2%
17. Cornell University	34.0%
18. Vanderbilt University	33.2%
19. University of Puerto Rico, Mayaguez	33.0%
20. Johns Hopkins University	32.4%

*Minimum of 50 total bachelor's degrees awarded.
290 schools fit this criterion.**BACHELOR'S DEGREES AWARDED TO BLACK OR AFRICAN-AMERICANS BY SCHOOL**

1. North Carolina A&T State University	134
2. Georgia Institute of Technology	100
3. Morgan State University	88
4. University of Central Florida	76
5. Prairie View A&M University	74
6. Howard University	67
7. University of Maryland, College Park	65
8. Florida International University	64
9. Alabama A&M University	58
9. University of Florida	58
11. North Carolina State University	57
12. Southern University and A&M College	53
13. FAMU-FSU College of Engineering	48
14. New Jersey Institute of Technology	47
15. Ohio State University	46
16. Tuskegee University	45
17. Massachusetts Institute of Technology	43
18. Mississippi State University	41
19. Clemson University	40
19. City College of the CUNY	40

352 schools reported.

BACHELOR'S DEGREES AWARDED TO ASIAN-AMERICANS BY SCHOOL

1. University of California, Berkeley	627
2. University of California, San Diego	586
3. Univ. of Illinois, Urbana-Champaign	352
4. Georgia Institute of Technology	342
5. University of California, Davis	312
6. University of California, Irvine	306
7. University of California, Los Angeles	303
8. The University of Texas at Austin	284
9. Rutgers University	269
10. University of Washington	251
11. Stony Brook University	244
12. Cornell University	226
13. California State Poly. U., Pomona	219
14. University of Michigan	215
15. Massachusetts Institute of Technology	187
16. University of Southern California	178
17. San Jose State University	172
18. George Mason University	171
19. California State University, Long Beach	166
20. California Polytechnic State University	164

352 schools reported.

BACHELOR'S DEGREES AWARDED TO HISPANICS BY SCHOOL

1. University of Puerto Rico, Mayaguez	524
2. Florida International University	502
3. Polytechnic University of Puerto Rico	448
4. University of Central Florida	301
5. University of Texas, El Paso	284
6. University of Florida	245
7. California State Poly. U., Pomona	239
8. Texas A&M University	233
9. University of Texas, Austin	189
10. California State University, Long Beach	176
11. Arizona State University	167
12. University of California, San Diego	143
13. Georgia Institute of Technology	138
14. University of Texas-Pan American	132
15. Massachusetts Institute of Technology	131
15. University of Texas, San Antonio	131
17. University of California, Irvine	126
18. California Polytechnic State University	122
18. Texas Tech University	122
20. University of California, Riverside	117

352 schools reported.

AEROSPACE ENGINEERING DEGREES AWARDED BY SCHOOL

1. Embry Riddle Aero. U., Daytona Beach	202
2. Purdue University	163
3. Georgia Institute of Technology	157
4. Virginia Tech	156
5. University of Florida	113
6. University of Texas, Austin	105
7. Iowa State University	104
8. Texas A&M University	103
9. Pennsylvania State University	99
10. University of Michigan	94
11. Embry Riddle Aero. U., Prescott	91
12. University of Colorado Boulder	90
13. University of Central Florida	88
14. University of Maryland, College Park	82
15. California State Poly. U., Pomona	81
16. Arizona State University	80
16. Univ. of Illinois, Urbana-Champaign	80
18. U.S. Naval Academy	74
19. California Polytechnic State University	73
20. Rensselaer Polytechnic Institute	70

64 schools reported.

BIOMEDICAL ENGINEERING DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	214
2. University of California, San Diego	123
3. Duke University	122
3. Rutgers University	122
5. Johns Hopkins University	119
6. Boston University	115
7. California Polytechnic State University	105
8. Drexel University	104
9. Arizona State University	103
9. Worcester Polytechnic Institute	103
11. University of California, Berkeley	96
11. University of California, Irvine	96
13. Clemson University	95
14. University of Texas, Austin	87
15. University of Iowa	86
16. University of Maryland, College Park	85
16. University of Virginia	85
18. University of Pennsylvania	81
19. University of California, Davis	80
20. University of Minnesota, Twin Cities	78

116 schools reported.

CHEMICAL ENGINEERING DEGREES AWARDED BY SCHOOL

1. Ohio State University	202
2. North Carolina State University	175
3. Georgia Institute of Technology	172
4. University of Texas, Austin	171
5. Univ. of Illinois, Urbana-Champaign	159
6. Purdue University	158
7. Pennsylvania State University	154
8. University of Michigan	144
9. Montana State University	136
10. University of Florida	132
11. University of California, San Diego	131
12. University of California, Berkeley	108
12. Colorado School of Mines	108
12. Iowa State University	108
15. Virginia Tech	107
16. University of Alabama	106
17. Worcester Polytechnic Institute	104
18. Texas A&M University	103
19. Rutgers University	100
20. Arizona State University	99
21. University of Pittsburgh	97
22. University of Colorado, Boulder	95
23. University of Cincinnati	94
24. Brigham Young University	91
25. University of California, Davis	90
26. Oregon State University	88
27. University of Delaware	87
28. University of Massachusetts, Amherst	85
28. University of Minnesota, Twin Cities	85
30. University of California, Los Angeles	83
31. University of Notre Dame	82
32. Cornell University	81
33. Michigan State University	80
34. University of Kentucky	78
34. Michigan Technological University	78
34. University at Buffalo, SUNY	78
37. Louisiana State University	77
38. Drexel University	76
38. Johns Hopkins University	76
38. University of Wisconsin, Madison	76
41. Auburn University	75
42. Rensselaer Polytechnic Institute	74
43. Carnegie Mellon University	73
43. Missouri Univ. of Science and Tech.	73
43. Northeastern University	73
46. Rose-Hulman Institute of Technology	72
47. University of South Florida	71
48. University of Puerto Rico, Mayaguez	69
49. University of Southern California	67
50. University of Maryland, College Park	66

160 schools reported.

CIVIL ENGINEERING DEGREES AWARDED BY SCHOOL

1. California State Poly. U., Pomona	209
2. Texas A&M University	205
3. Univ. of Illinois, Urbana-Champaign	195
4. Pennsylvania State University	163
5. Virginia Tech	158
6. Ohio State University	155
7. Georgia Institute of Technology	151
8. North Carolina State University	150
9. Purdue University	146
10. Iowa State University	141
11. Washington State University	137
12. University of California, Davis	136
12. Clemson University	136
14. University at Buffalo, SUNY	135
15. University of California, San Diego	133
16. University of Central Florida	129
17. University of Texas, Austin	126
18. California Polytechnic State University	124
18. New Jersey Institute of Technology	124
20. University of Maryland, College Park	118
21. Rutgers University	117
22. Montana State University	113
23. University of Puerto Rico, Mayaguez	110
24. University of Washington	109
25. San Jose State University	108
26. The University of Alabama	107
26. California State University, Northridge	107
28. California State University, Long Beach	106
29. University of Florida	105
29. Manhattan College	105
31. Texas Tech University	104
32. University of Delaware	102
32. Oregon State University	102
34. California State University, Sacramento	98
35. Polytechnic University of Puerto Rico	96
36. University of South Florida	95
36. University of Wisconsin, Madison	95
38. University of Hawaii, Manoa	94
38. Missouri Univ. of Science and Tech.	94
38. Northeastern University	94
41. University of Wisconsin, Platteville	93
42. Louisiana State University	92
43. University of Massachusetts, Amherst	90
44. University of California, Irvine	89
44. West Virginia University	89
46. San Diego State University	88
47. California State University, Fullerton	87
48. Brigham Young University	84
48. Florida International University	84
48. Michigan Technological University	84

221 schools reported.

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

1. Georgia Institute of Technology	345
2. University of Michigan	219
3. Virginia Tech	211
4. Pennsylvania State University	194
5. Purdue University	187
6. Ohio State University	150
7. Texas A&M University	144
8. University of Florida	128
9. Northwestern University	107
10. Cornell University	95
11. West Virginia University	94
12. University of Central Florida	93
13. Clemson University	91
14. California Polytechnic State University	87
15. University of Louisiana, Lafayette	86
16. California State Poly. U., Pomona	85
17. Iowa State University	80
18. Auburn University	79
19. University of Wisconsin, Madison	78
20. Columbia University	74
21. North Carolina State University	73
22. Univ. of Illinois, Urbana-Champaign	72
22. Oregon State University	72
24. University of Puerto Rico, Mayaguez	69
25. University of Miami	68
26. University of Pittsburgh	67
27. University of Arkansas	63
28. Lehigh University	61
29. Northeastern University	60
29. University of Southern California	60
31. Rensselaer Polytechnic Institute	58
32. Arizona State University	57
33. Washington University in St. Louis	54
34. SUNY, Binghamton	49
35. Polytechnic University of Puerto Rico	48
36. Rutgers University	47
37. University of Arizona	46
37. Kansas State University	46
37. University of Washington	46
40. University at Buffalo, SUNY	45
41. University of California, Berkeley	44
41. The University of Iowa	44
41. University of Wisconsin, Stout	44
44. University of Missouri	42
44. North Dakota State University	42
44. University of South Florida	42
47. Rochester Institute of Technology	41
48. Lamar University	39
49. University of Oklahoma	38
49. University of Texas, El Paso	38

112 schools reported.

**MECHANICAL ENGINEERING
DEGREES AWARDED BY SCHOOL**

1. Georgia Institute of Technology	479
2. Purdue University	413
3. Virginia Tech	383
4. Pennsylvania State University	348
5. University of Central Florida	331
6. University of Florida	324
7. Iowa State University	316
8. University of Maryland, College Park	296
9. Washington State University	262
10. Texas A&M University	251
11. University of Michigan	243
12. Ohio State University	240
13. Drexel University	226
14. Univ. of Illinois, Urbana-Champaign	222
15. University of Wisconsin, Madison	220
16. University of Minnesota, Twin Cities	219
16. Missouri Univ. of Science and Tech.	219
18. Texas Tech University	214
19. University of Texas, Austin	209
20. Michigan Technological University	208
21. California Polytechnic State University	203
22. University of Colorado Boulder	196
23. Massachusetts Institute of Technology	195
24. North Carolina State University	194
25. Colorado School of Mines	193
26. University of California, Irvine	190
26. Northeastern University	190
28. California State Poly. U., Pomona	185
29. Worcester Polytechnic Institute	182
30. University at Buffalo, SUNY	179
31. Auburn University	178
32. University of California, San Diego	177
32. Rutgers University	177
34. Arizona State University	175
35. Rensselaer Polytechnic Institute	169
36. University of California, Berkeley	167
36. Michigan State University	167
38. Oklahoma State University	166
39. Rochester Institute of Technology	165
40. University of California, Davis	164
41. Clemson University	160
42. Montana State University	155
43. California State University, Long Beach	154
44. Colorado State University	153
45. University of North Carolina, Charlotte	148
46. Kettering University	147
47. Cornell University	145
48. University of Texas, San Antonio	144
49. University of Dayton	141
49. Oregon State University	141

288 schools reported.

**ELECTRICAL ENGINEERING
DEGREES AWARDED BY SCHOOL**

1. Univ. of Illinois, Urbana-Champaign	266
2. Georgia Institute of Technology	239
3. Purdue University	202
4. University of Washington	190
5. North Carolina State University	176
6. University of California, Los Angeles	165
7. Arizona State University	164
8. Texas A&M University	150
9. University of Central Florida	139
10. University of California, San Diego	134
11. University of Minnesota, Twin Cities	133
12. California State Poly. U., Pomona	132
13. Florida International University	131
14. Iowa State University	128
14. Virginia Tech	128
16. California Polytechnic State University	121
17. University of Michigan, Dearborn	120
18. University of Maryland, College Park	119
19. University of Michigan	113
20. University of Florida	111
21. Washington State University	109
22. University of Texas, Dallas	107
23. University of Illinois at Chicago	104
23. Michigan Technological University	104
25. Auburn University	101
26. Michigan State University	98
27. Drexel University	97
27. Polytechnic University of Puerto Rico	97
29. California State University, Long Beach	94
30. University of California, Davis	90
30. The University of Texas at El Paso	90
32. North Dakota State University	89
33. University of South Florida	87
34. Clemson University	86
34. Rochester Institute of Technology	86
36. Missouri Univ. of Science and Tech.	85
37. Rensselaer Polytechnic Institute	84
38. University of Alabama, Huntsville	82
39. University of Wisconsin, Madison	80
40. University of Puerto Rico, Mayaguez	79
41. University at Buffalo, SUNY	78
41. Texas Tech University	78
43. New Jersey Institute of Technology	77
44. University of California, Irvine	76
44. University of Missouri	76
46. University of Southern California	74
47. San Jose State University	72
48. SUNY, Binghamton	70
49. University of Texas, San Antonio	69
50. University of Massachusetts, Lowell	68
50. University of Texas, Arlington	68

260 schools reported.

COMPUTER ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of California, Berkeley	283
2. Univ. of Illinois, Urbana-Champaign	182
3. Iowa State University	135
4. Georgia Institute of Technology	109
5. University of Central Florida	101
6. North Carolina State University	99
7. Purdue University	89
8. University of Florida	78
9. Virginia Tech	77
10. Florida International University	73
10. University of Michigan	73
12. California Polytechnic State University	71
13. University of Wisconsin, Madison	66
14. San Jose State University	65
15. Missouri Univ. of Science and Tech.	63
16. University of Washington	61
17. University of Puerto Rico, Mayaguez	58
18. Rochester Institute of Technology	56
19. California State Poly. U., Pomona	54
19. University of Pittsburgh	54
21. University of California, Santa Cruz	52
21. University of Maryland, College Park	52
23. Clemson University	50
23. SUNY, Binghamton	50
23. Polytechnic University of Puerto Rico	50
26. California State University, Long Beach	49
27. Santa Clara University	47
28. Florida Atlantic University	46
29. Michigan Technological University	44
30. Drexel University	43
30. University of Virginia	43
32. Univ. of Maryland, Baltimore County	42
33. Arizona State University	41
33. Boston University	41
35. University of California, Santa Barbara	40
35. University of Minnesota, Twin Cities	40
35. University of Nevada, Reno	40
35. New Jersey Institute of Technology	40
35. University of North Carolina, Charlotte	40
40. Northeastern University	39
41. University of California, Los Angeles	38
42. University of Nebraska, Lincoln	37
43. University of California, Irvine	36
43. University of California, Riverside	36
43. University at Buffalo, SUNY	36
43. University of South Florida	36
43. Stevens Institute of Technology	36
43. Stony Brook University	36
43. West Virginia University	36
50. University of Massachusetts, Amherst	35
50. University of Michigan, Dearborn	35
50. University of Missouri	35
50. San Diego State University	35

186 schools reported.

ELECTRICAL/COMPUTER ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of California, Berkeley	362
2. Pennsylvania State University	322
3. University of Texas, Austin	255
4. Ohio State University	215
5. Rutgers University	152
6. Carnegie Mellon University	149
7. New York Institute of Technology	143
8. Brigham Young University	117
9. Colorado School of Mines	116
10. Oregon State University	107
11. Massachusetts Institute of Technology	102
12. Worcester Polytechnic Institute	88
13. University of Iowa	87
14. University of Arizona	84
15. Cornell University	78
16. University of Akron	73
17. Duke University	67
18. Colorado State University	64
19. FAMU-FSU College of Engineering	51
19. Rowan University	51

58 schools reported.

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

1. University of California, Irvine	383
2. University of Texas, Austin	376
3. Georgia Institute of Technology	317
4. University of Maryland, College Park	283
5. New Jersey Institute of Technology	240
6. Carnegie Mellon University	197
7. University of California, Davis	165
8. Rutgers University	159
9. University of Wisconsin, Madison	158
10. Purdue University	144
11. University of Massachusetts, Amherst	123
12. University of Arizona	116
13. Northeastern University	107
14. Worcester Polytechnic Institute	103
15. Brigham Young University	102
16. Rensselaer Polytechnic Institute	101
17. University of Pittsburgh	100
18. Rochester Institute of Technology	99
19. University of Houston	93
20. University of Michigan	91

56 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. University of California, San Diego	369
2. University of Central Florida	308
3. Univ. of Illinois, Urbana-Champaign	304
4. Florida International University	267
5. University of Michigan	253
6. Oregon State University	238
7. University of Texas, Dallas	219
8. Stanford University	216
9. Massachusetts Institute of Technology	197
10. Stony Brook University	196
11. Arizona State University	192
11. Ohio State University	192
13. Virginia Tech	178
14. North Carolina State University	171
15. University of Washington	170
16. University of Minnesota, Twin Cities	153
17. University of California, Los Angeles	151
17. University of California, Santa Cruz	151
19. Cornell University	149
20. Texas A&M University	148
21. University of Southern California	142
22. University of Pennsylvania	141
23. Univ. of Maryland, Baltimore County	136
24. University of Missouri	131
25. Auburn University	124
26. Princeton University	117
27. California Polytechnic State University	116
28. University of Virginia	115
29. University of California, Santa Barbara	106
29. New York Institute of Technology	106
31. University at Buffalo, SUNY	101
31. University of Utah	101
33. Florida Atlantic University	99
34. California State University, Northridge	98
34. SUNY, Binghamton	98
36. Harvard University	96
36. Michigan State University	96
38. University of Michigan, Dearborn	93
38. University of Texas, Arlington	93
40. Columbia University	91
40. University of South Florida	91
42. Washington State University	90
43. George Mason University	85
44. Clemson University	82
45. California State University, Long Beach	81
46. Portland State University	80
47. University of Colorado Boulder	79
48. California State University, Fullerton	77
49. University of California, Riverside	76
49. University of Illinois at Chicago	76

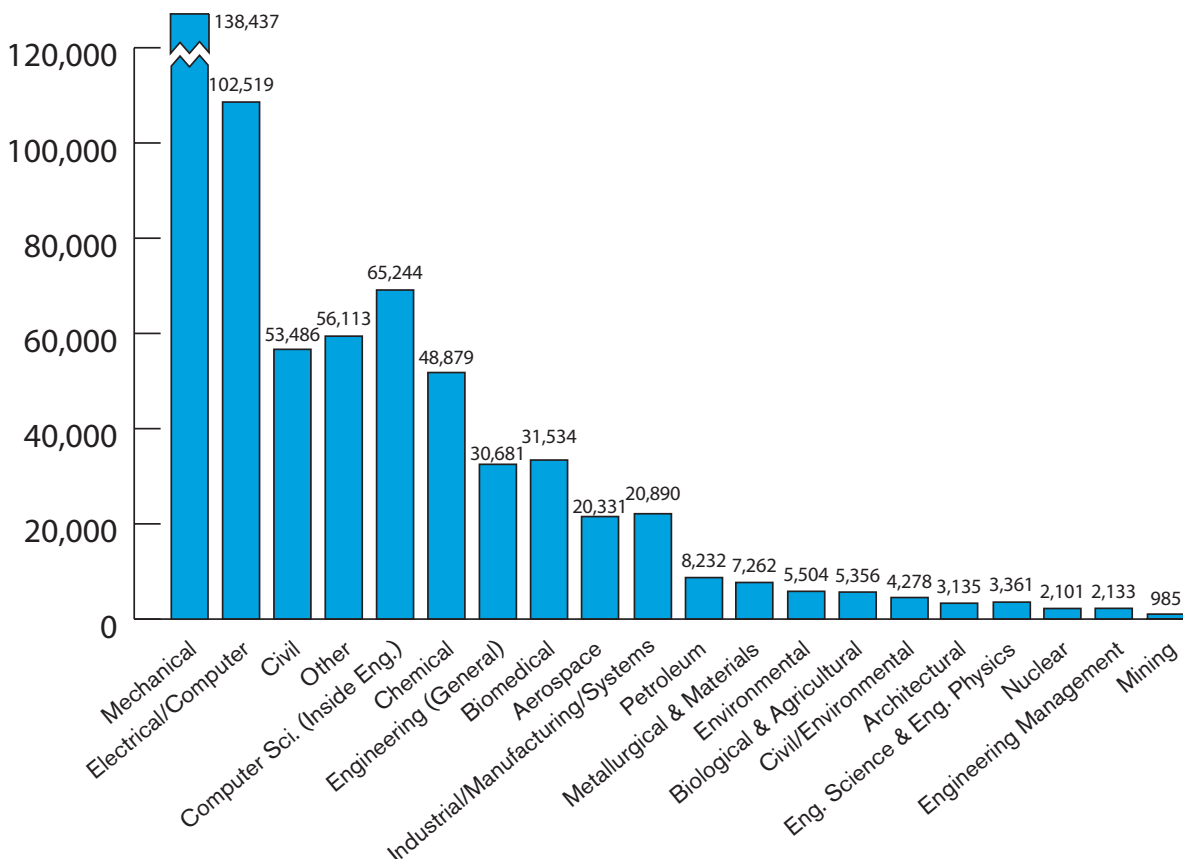
175 schools reported.

UNDERGRADUATE ENROLLMENT BY SCHOOL*

1. Arizona State University	11,572	23. University of Washington	5,082	45. California State University, Northridge	3,713
2. Texas A&M University	10,541	24. Florida International University	4,995	46. Michigan Technological University	3,698
3. Georgia Institute of Technology	9,418	25. Auburn University	4,968	47. Kansas State University	3,666
4. Univ. of Illinois, Urbana-Champaign	9,145	26. University of Wisconsin, Madison	4,841	48. University of California, Davis	3,646
5. University of Central Florida	8,238	27. California State Poly. U., Pomona	4,789	49. Rutgers University	3,636
6. Purdue University	8,209	28. Texas Tech University	4,677	50. San Jose State University	3,572
7. Iowa State University	8,172	29. Colorado School of Mines	4,533		
8. The Pennsylvania State University	8,031	30. George Mason University	4,467		
9. The Ohio State University	7,796	31. University of California, Berkeley	4,365		
10. Virginia Tech	7,780	32. Drexel University	4,289		
11. Oregon State University	6,978	33. University of South Florida	4,281		
12. University of California, San Diego	6,677	34. University of Minnesota, Twin Cities	4,171		
13. North Carolina State University	6,639	35. University of Maryland, College Park	4,147		
14. University of Florida	6,541	36. University of Oklahoma	4,132		
15. California Polytechnic State University	6,231	37. University of Colorado, Boulder	4,083		
16. Louisiana State University	6,226	38. California State University, Long Beach	4,010		
17. University of Michigan	6,067	39. West Virginia University	3,965		
18. The University of Texas, Austin	5,720	40. Washington State University	3,939		
19. Missouri Univ. of Science and Tech.	5,485	41. University of Utah	3,836		
20. Michigan State University	5,443	42. University of Puerto Rico, Mayaguez	3,813		
21. Clemson University	5,381	43. University of Texas, Dallas	3,761		
22. University of Alabama	5,303	44. University of Houston	3,759		

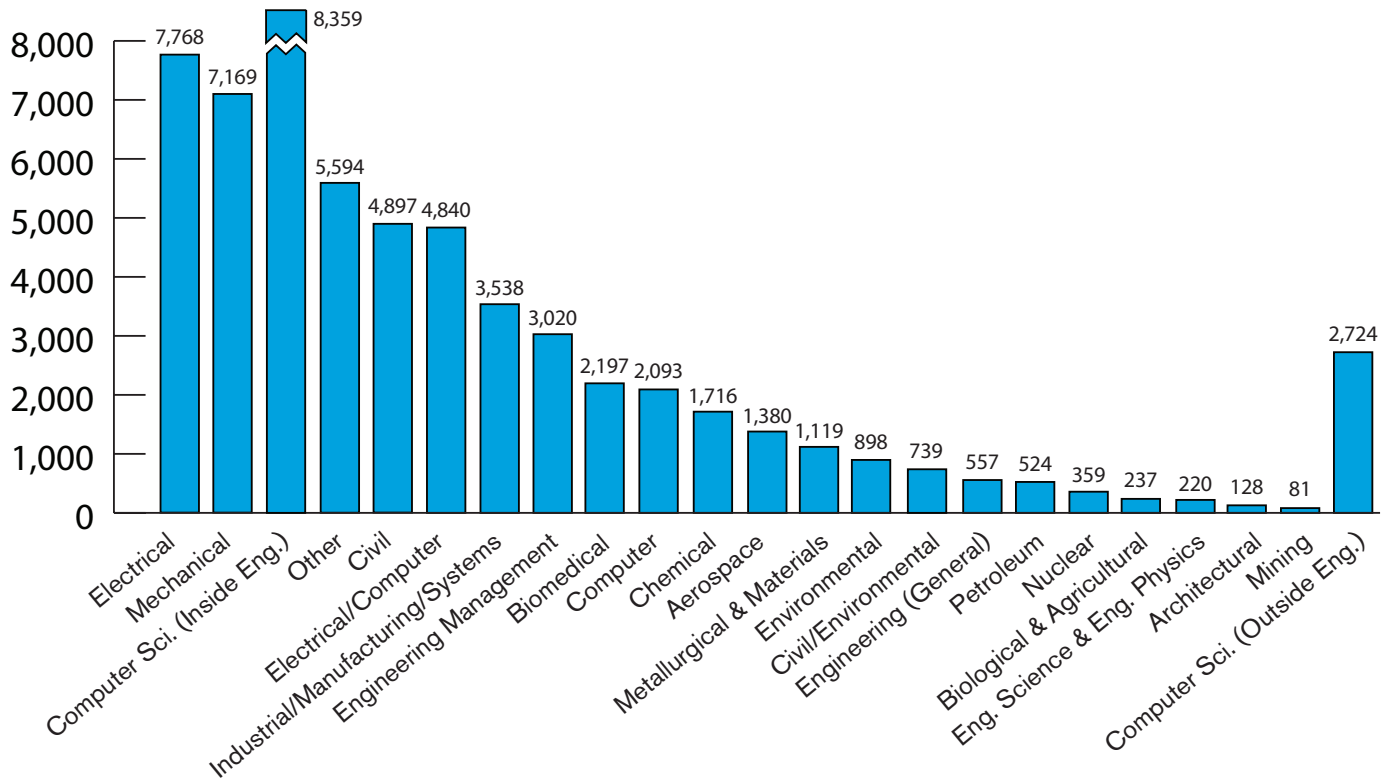
*Some schools do not permit formal enrollment in their engineering colleges until the second or third year. Enrollment is full-time plus part-time students.

UNDERGRADUATE ENROLLMENT BY DISCIPLINE: 610,461*



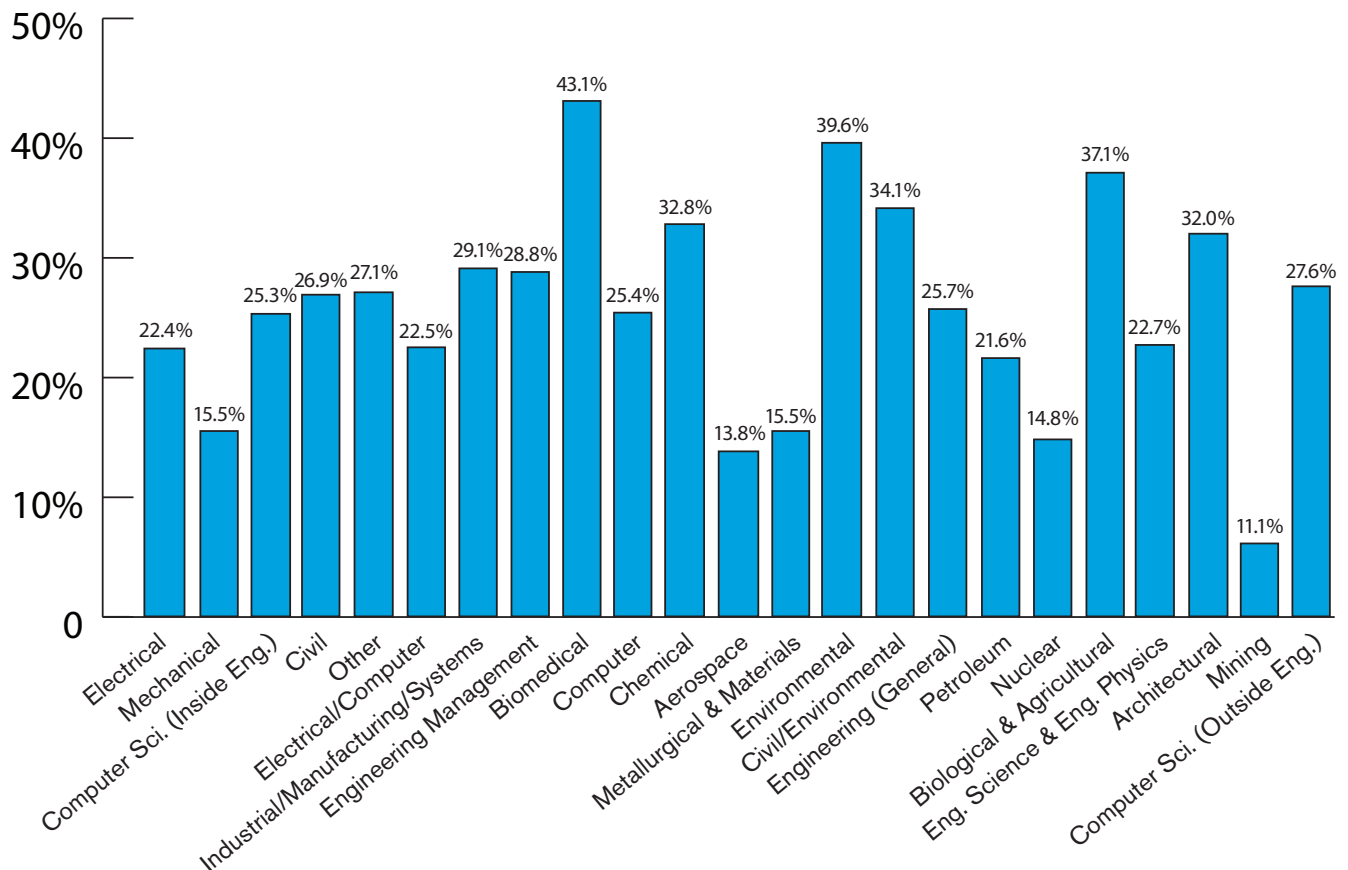
*Enrollment is for full-time bachelor's degree candidates in engineering. Total does not include Computer Science (outside engineering).

MASTER'S DEGREES AWARDED BY DISCIPLINE: 57,433*



*Total does not include computer science (outside engineering).

PERCENTAGE OF MASTER'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 25.2% OF TOTAL



ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL

1. University of Southern California	2111
2. Columbia University	1218
3. Arizona State University	1212
4. Stanford University	1095
5. University of Michigan	1067
6. Georgia Institute of Technology	1040
7. NYU Tandon School of Engineering	1021
8. Stevens Institute of Technology	1002
9. Johns Hopkins University	919
10. Cornell University	888
11. North Carolina State University	848
12. Carnegie Mellon University	845
13. University at Buffalo, SUNY	816
14. University of Texas, Dallas	801
15. Univ. of Illinois, Urbana-Champaign	759
16. Massachusetts Institute of Technology	713
16. Texas A&M University	713
18. University of Florida	671
19. Northeastern University	668
20. University of Texas, Arlington	662
21. Purdue University	655
22. San Jose State University	639
23. Texas A&M University, Kingsville	603
24. George Washington University	601
25. University of Pennsylvania	585
26. Missouri Univ. of Science and Tech.	571
26. New Jersey Institute of Technology	571
28. Northwestern University	566
29. University of California, Berkeley	562
29. University of Washington	562
31. University of California, Los Angeles	557
32. Stony Brook University	542
33. George Mason University	492
34. Ohio State University	472
35. University of Maryland, College Park	470
36. University of Colorado, Boulder	466
37. Illinois Institute of Technology	465
38. University of Wisconsin, Madison	450
39. University of California, San Diego	438
40. Virginia Tech	431
41. University of Texas, Austin	417
42. University of Minnesota, Twin Cities	414
43. Drexel University	392
43. Syracuse University	392
45. Worcester Polytechnic Institute	389
46. Clemson University	381
47. Wright State University	378
48. Pennsylvania State University	372
49. California State University, Fullerton	367
50. Southern Methodist University	359

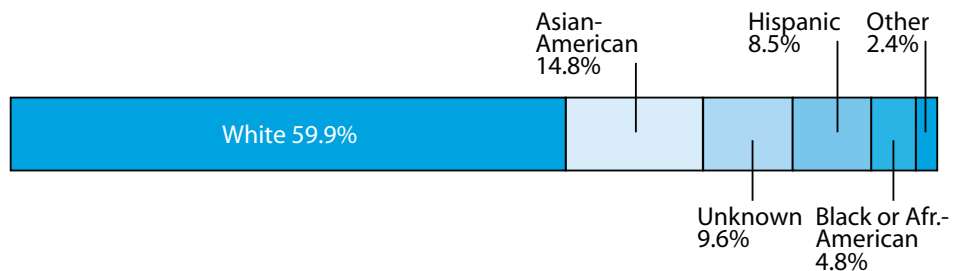
266 schools reported.

MASTER'S DEGREES BY GENDER, 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	22.5%	22.4%	23.0%	23.0%	22.6%	22.6%	23.1%	23.9%	24.2%
Male	77.5%	77.6%	77.0%	77.0%	77.4%	77.4%	76.9%	76.1%	75.8%

MASTER'S DEGREES BY ETHNICITY, 2015*



	2006	2007	2008	2009	2010	2011	2012	2013	2014
Black or African American	4.4%	4.6%	4.8%	4.7%	5.1%	4.9%	4.7%	4.7%	4.4%
Hispanic	4.7%	5.2%	5.4%	5.3%	6.0%	6.3%	7.3%	7.6%	7.7%
Other	15.7%	15.2%	15.1%	17.4%	1.4%	1.5%	2.0%	2.2%	2.6%
Asian American	16.5%	16.5%	15.4%	15.1%	14.9%	15.5%	14.5%	15.0%	14.5%
White	58.7%	58.5%	59.3%	57.5%	60.9%	58.2%	59.7%	59.5%	60.2%
Unknown					11.7%	13.6%	11.8%	11.0%	10.6%

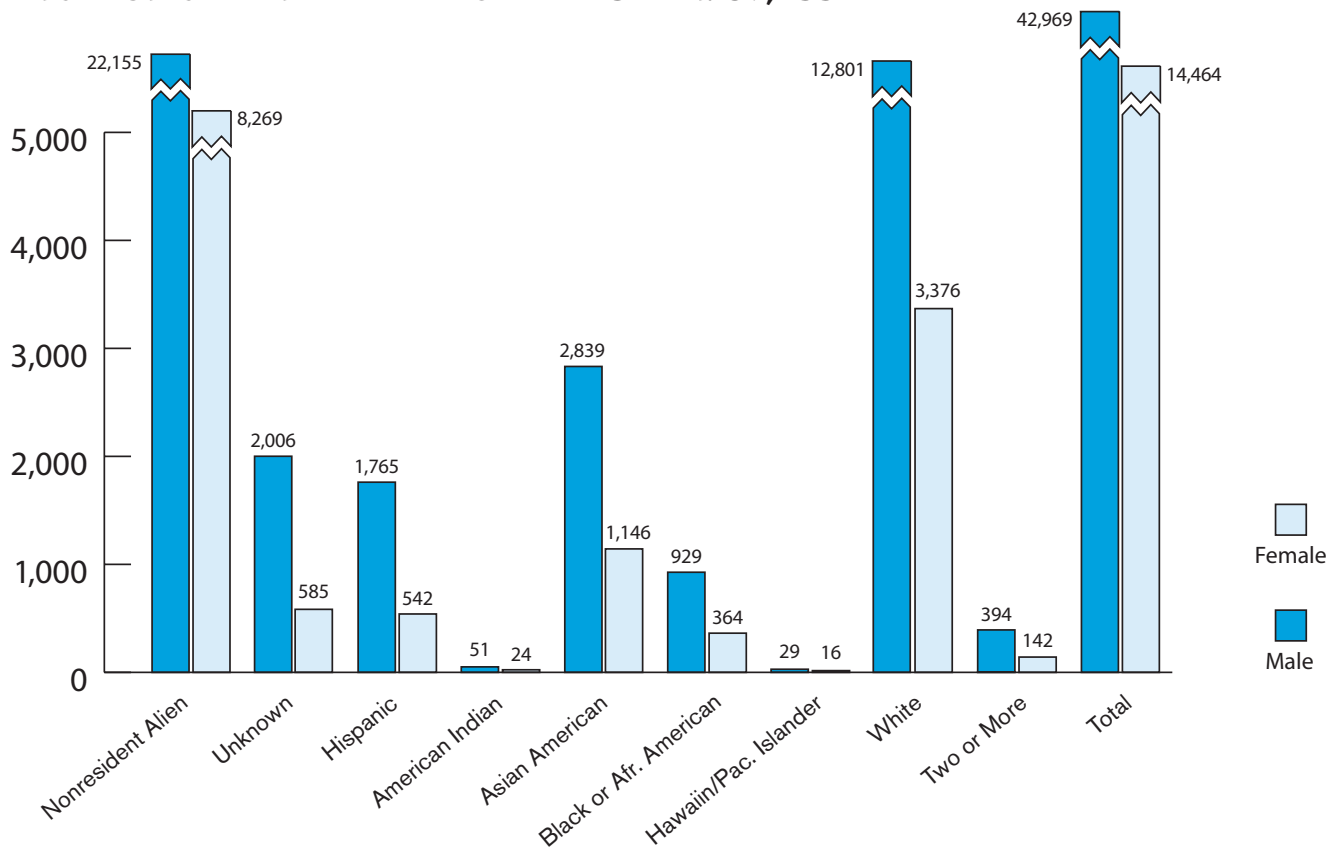
*Data on ethnicity does not include foreign nationals. American Indians (0.2%), Hawaiian/Pacific Islanders (0.2%) and Two or More (2.0%) are combined under Other.

MASTER'S DEGREES BY RESIDENCY, 2015



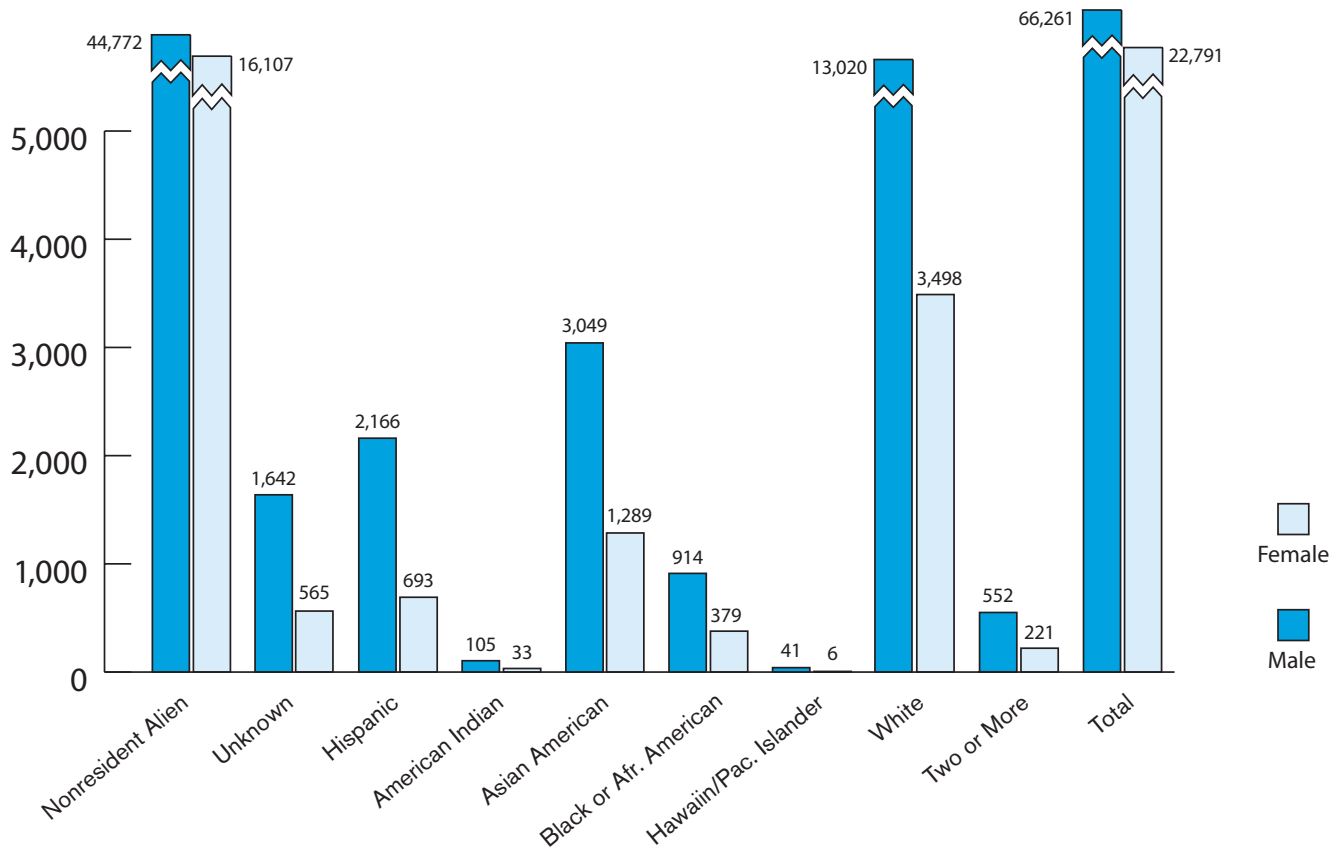
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Nonresident Alien	39.8%	38.7%	41.7%	44.1%	46.1%	44.4%	43.3%	45.3%	47.4%
Permanent Resident	60.2%	61.3%	58.3%	55.9%	53.9%	55.6%	56.7%	54.7%	52.6%

MASTER'S DEGREES AWARDED BY ETHNICITY AND GENDER: 57,433*



*Includes 123 male and 46 female graduates from schools in Puerto Rico.

MASTER'S ENROLLMENT BY ETHNICITY AND GENDER: 89,052*



*Includes 279 Hispanic male and 110 Hispanic female enrolled students from schools in Puerto Rico.

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

1. Yale University	43.0%
2. Santa Clara University	42.6%
3. University of Arkansas, Little Rock	39.2%
4. Rose-Hulman Institute of Technology	37.3%
5. University of California, Santa Cruz	35.1%
6. Catholic University of America	34.7%
7. San Jose State University	34.6%
8. Duke University	34.2%
9. Dartmouth College	33.9%
10. University of Pennsylvania	33.8%
11. Michigan State University	33.0%
12. Cornell University	32.9%
13. Virginia Commonwealth University	32.1%
14. North Carolina A&T State University	32.0%
15. University of California, Irvine	31.9%
16. University of Notre Dame	31.4%
17. Massachusetts Institute of Technology	31.1%
17. University of Pittsburgh	31.1%
19. Case Western Reserve University	30.8%
20. Northwestern University	30.7%

*Minimum of 50 master's degrees awarded.
198 schools fit this criterion.

PERCENTAGE OF DOCTORAL DEGREES AWARDED TO WOMEN BY SCHOOL*

1. Northeastern University	43.4%
2. Duke University	40.9%
3. Yale University	38.2%
4. University of California-Santa Cruz	37.5%
5. University of Kansas	37.1%
6. University of Oklahoma	36.8%
7. University of Massachusetts Amherst	36.5%
8. University of South Florida	35.1%
9. University of Pittsburgh	33.8%
10. University of California, Riverside	33.3%
11. Case Western Reserve University	32.8%
11. Harvard University	32.8%
13. University of Colorado Boulder	32.1%
14. Texas Tech University	31.7%
15. Stony Brook University	31.1%
16. Rutgers University	30.9%
17. William Marsh Rice University	29.9%
18. University of New Mexico	29.7%
19. University of Washington	29.0%
20. Vanderbilt University	28.6%

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

GRADUATE ENROLLMENT BY SCHOOL*

1 University of Southern California	5,195
2 Georgia Institute of Technology	3,895
3 Arizona State University	3,610
4 Stanford University	3,601
5 Texas A&M University	3,480
6 Univ. of Illinois, Urbana-Champaign	3,421
7 University of Michigan	3,364
8 North Carolina State University	3,362
9 The University of Texas, Arlington	3,331
10 Purdue University	3,246
11 Columbia University	3,212
12 Massachusetts Institute of Technology	3,123
13 Northeastern University	2,635
14 University of Florida	2,584
15 University of Texas, Dallas	2,520
16 NYU Tandon School of Engineering	2,496
17 University of Washington	2,333
18 Carnegie Mellon University	2,268
19 Virginia Tech	2,251
20 University of California, San Diego	2,244
21 University of Texas, Austin	2,134
22 Stevens Institute of Technology	2,073
23 University of California, Los Angeles	2,064
24 Cornell University	2,001
25 Northwestern University	1,976
26 University of California, Berkeley	1,973
26 University of Maryland, College Park	1,973
28 University of Minnesota, Twin Cities	1,901
29 San Jose State University	1,886
30 Ohio State University	1,883
31 Pennsylvania State University	1,840
32 University of Colorado, Boulder	1,803
33 University at Buffalo SUNY	1,749
34 Texas A&M University, Kingsville	1,689
35 George Washington University	1,578
36 University of Pennsylvania	1,577
37 George Mason University	1,565
38 New Jersey Institute of Technology	1,542
39 University of Illinois, Chicago	1,539
40 Stony Brook University	1,534
41 Clemson University	1,457
42 Wayne State University	1,420
43 New York Institute of Technology	1,397
44 California State University, Fullerton	1,373
45 Iowa State University	1,363
46 University of Central Florida	1,325
47 University of Houston	1,312
48 Colorado School of Mines	1,254
49 University of Utah	1,219
50 Wright State University	1,200

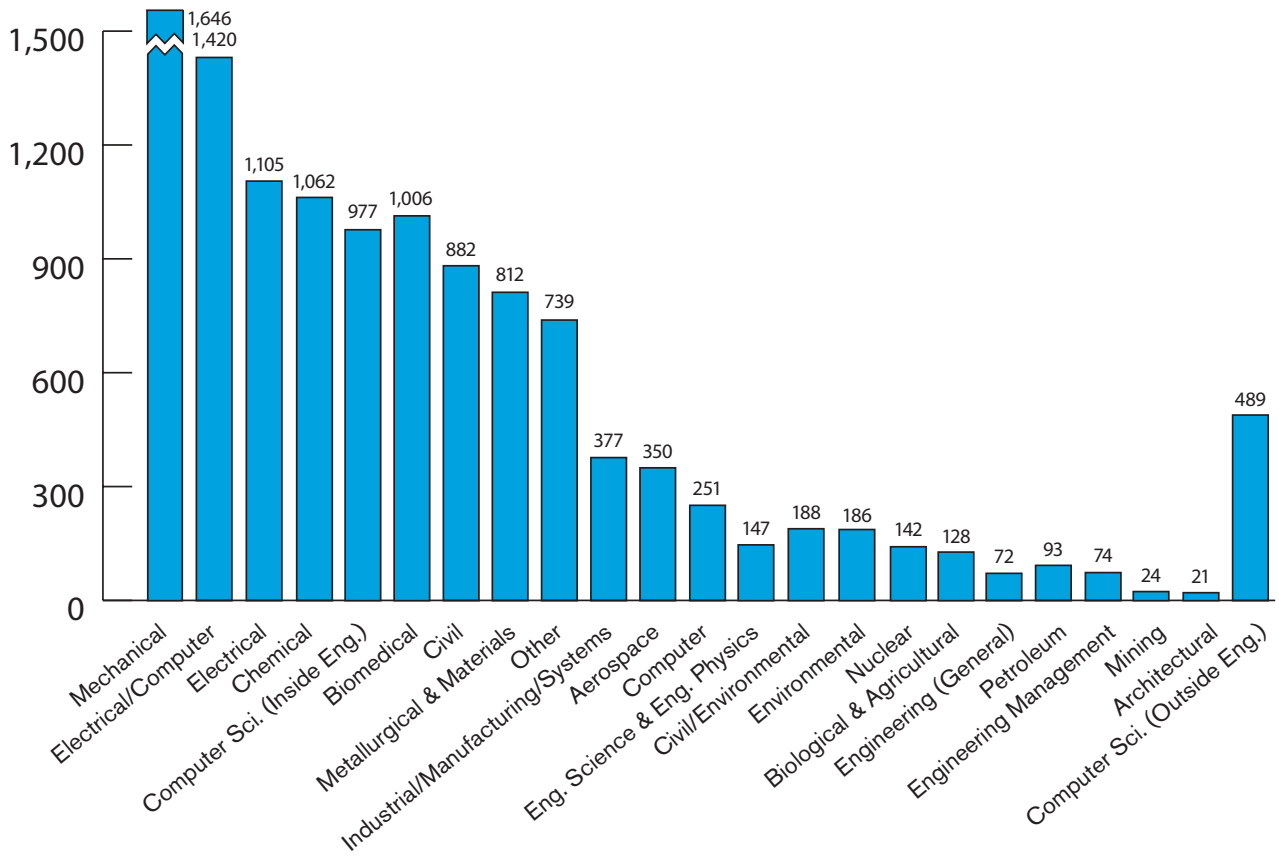
237 schools reported.
*Includes both full-time and part-time.

ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	358
2. Massachusetts Institute of Technology	348
3. Univ. of Illinois, Urbana-Champaign	304
4. Purdue University	281
5. Stanford University	278
6. University of Michigan	257
7. Pennsylvania State University	228
8. Texas A&M University	221
9. University of California, Berkeley	218
10. University of Texas, Austin	217
11. University of Florida	193
11. Virginia Tech	193
13. North Carolina State University	181
14. Ohio State University	169
15. Cornell University	165
15. University of Wisconsin, Madison	165
17. University of California, San Diego	163
18. University of California, Los Angeles	159
19. University of Southern California	157
20. University of Minnesota, Twin Cities	152
21. Carnegie Mellon University	146
22. Northwestern University	137
23. Columbia University	135
24. University of Washington	131
25. University of Maryland, College Park	127
26. Arizona State University	124
26. Colorado School of Mines	124
28. University of Colorado Boulder	112
28. Johns Hopkins University	112
30. University of California, Davis	110
31. Clemson University	105
32. Michigan State University	104
33. University of California, Riverside	102
34. University of Utah	100
35. University of Arizona	94
36. Princeton University	93
37. Stony Brook University	90
38. University of California, Santa Barbara	89
38. Drexel University	89
40. Rensselaer Polytechnic Institute	88
41. University of California, Irvine	87
42. University of Tennessee, Knoxville	85
43. Iowa State University	81
43. University of Texas, Arlington	81
43. University of Virginia	81
46. University of Notre Dame	80
47. University at Buffalo, SUNY	78
47. University of Pennsylvania	78
49. University of Central Florida	77
49. William Marsh Rice University	77

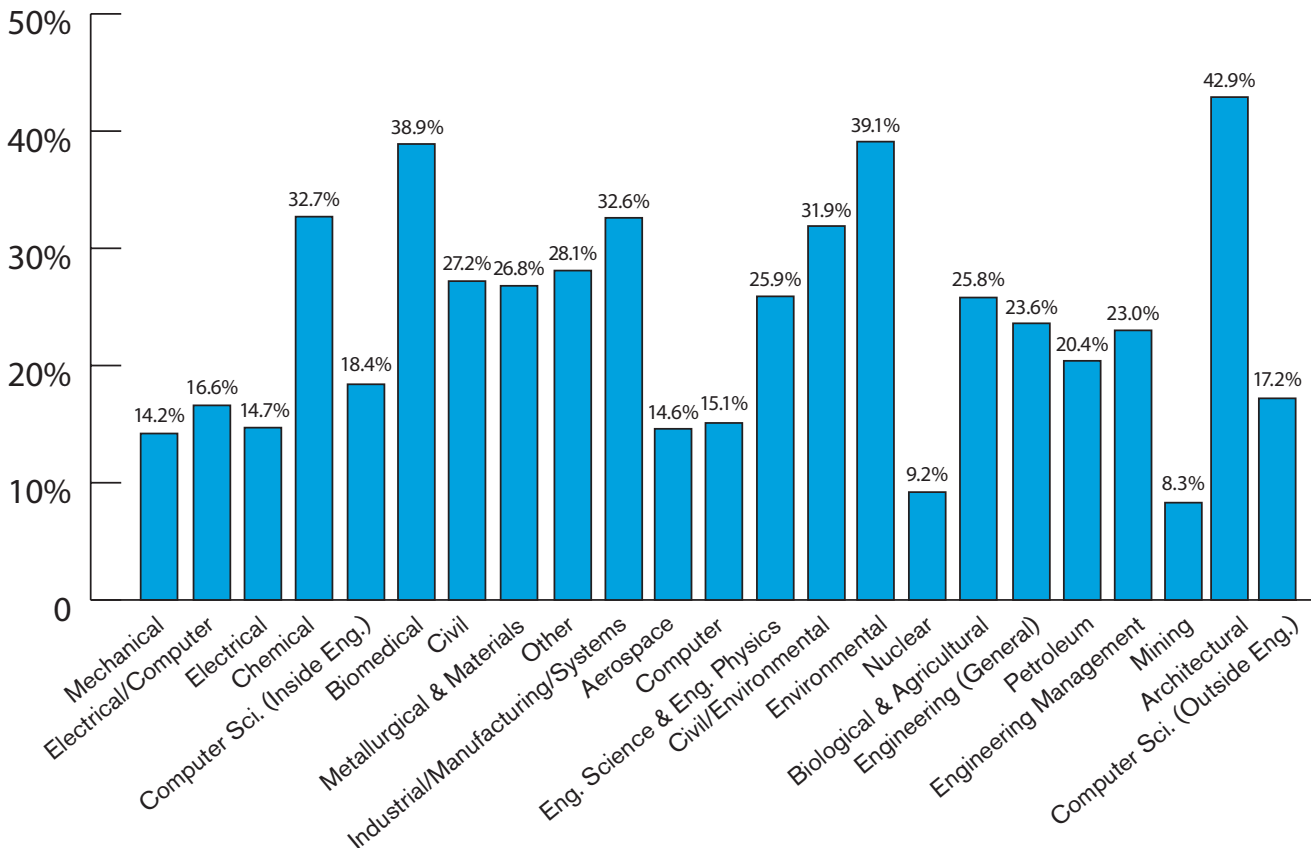
203 schools reported.

DOCTORAL DEGREES AWARDED BY DISCIPLINE: 11,702*



* Total does not include computer science (outside engineering).

PERCENTAGE OF DOCTORAL DEGREES AWARDED TO WOMEN BY DISCIPLINE: 23.1%



* Total does not include computer science (outside engineering).

DOCTORAL DEGREES AWARDED TO FOREIGN NATIONALS

1. Univ. of Illinois, Urbana-Champaign	195
2. Georgia Institute of Technology	186
3. Purdue University	179
4. Texas A&M University	153
5. Massachusetts Institute of Technology	148
6. Pennsylvania State University	143
7. University of Texas, Austin	130
8. University of Michigan	129
9. Virginia Tech	115
10. University of Southern California	109
11. University of Florida	108
12. North Carolina State University	106
12. Ohio State University	106
14. Stanford University	101
15. University of California, San Diego	89
16. University of Minnesota, Twin Cities	88
17. University of California, Los Angeles	82
17. Carnegie Mellon University	82
19. University of California, Berkeley	80
20. Stony Brook University	78
20. University of Wisconsin, Madison	78
22. Arizona State University	75
23. Michigan State University	74
24. University of Maryland, College Park	73
25. Northwestern University	71
26. Cornell University	68
27. University of Texas, Arlington	63
28. University at Buffalo, SUNY	60
29. Columbia University	57
29. Rensselaer Polytechnic Institute	57
31. Johns Hopkins University	56
32. University of Utah	55
33. Missouri Univ. of Science and Tech.	54
34. Colorado School of Mines	53
35. Iowa State University	52
36. University of California, Riverside	51
36. University of Tennessee, Knoxville	51
38. University of Houston	50
38. Princeton University	50
38. University of Washington	50
41. Auburn University	49
41. University of California, Davis	49
41. Clemson University	49
41. University of South Carolina	49
45. University of Arizona	47
45. Texas Tech University	47
47. William Marsh Rice University	46
47. University of Texas, Dallas	46
49. University of California, Irvine	45
49. University of Central Florida	45
49. Lehigh University	45

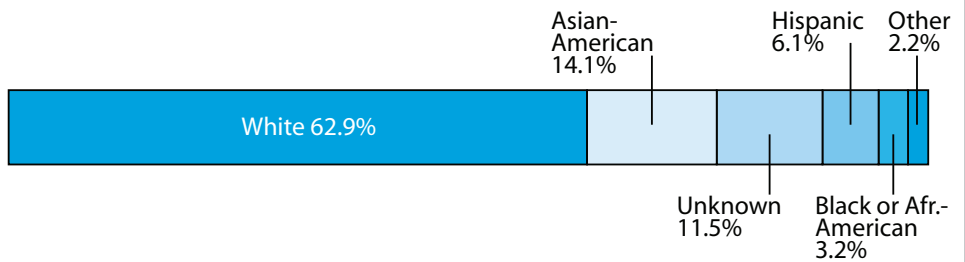
203 schools reported.

DOCTORAL DEGREES BY GENDER, 2015



	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	20.2%	20.8%	21.2%	21.2%	22.9%	21.8%	22.2%	22.4%	22.2%
Male	79.8%	79.2%	78.8%	78.8%	77.1%	78.2%	77.8%	77.6%	77.8%

DOCTORAL DEGREES BY ETHNICITY, 2015*



	2006	2007	2008	2009	2010	2011	2012	2013	2014
Black or African American	3.7%	3.6%	3.2%	3.8%	4.4%	3.5%	4.1%	4.1%	3.6%
Hispanic	3.0%	3.5%	3.6%	3.8%	5.2%	4.2%	4.1%	4.7%	5.1%
Other	15.1%	18.7%	19.5%	17.6%	1.0%	1.6%	1.7%	1.7%	1.6%
Asian American	16.6%	12.0%	12.4%	13.2%	14.0%	15.1%	14.1%	13.5%	10.4%
White	61.6%	62.2%	61.3%	61.6%	65.7%	60.3%	61.1%	61.8%	65.1%
Unknown				9.7%	15.3%	14.9%	14.2%	14.2%	

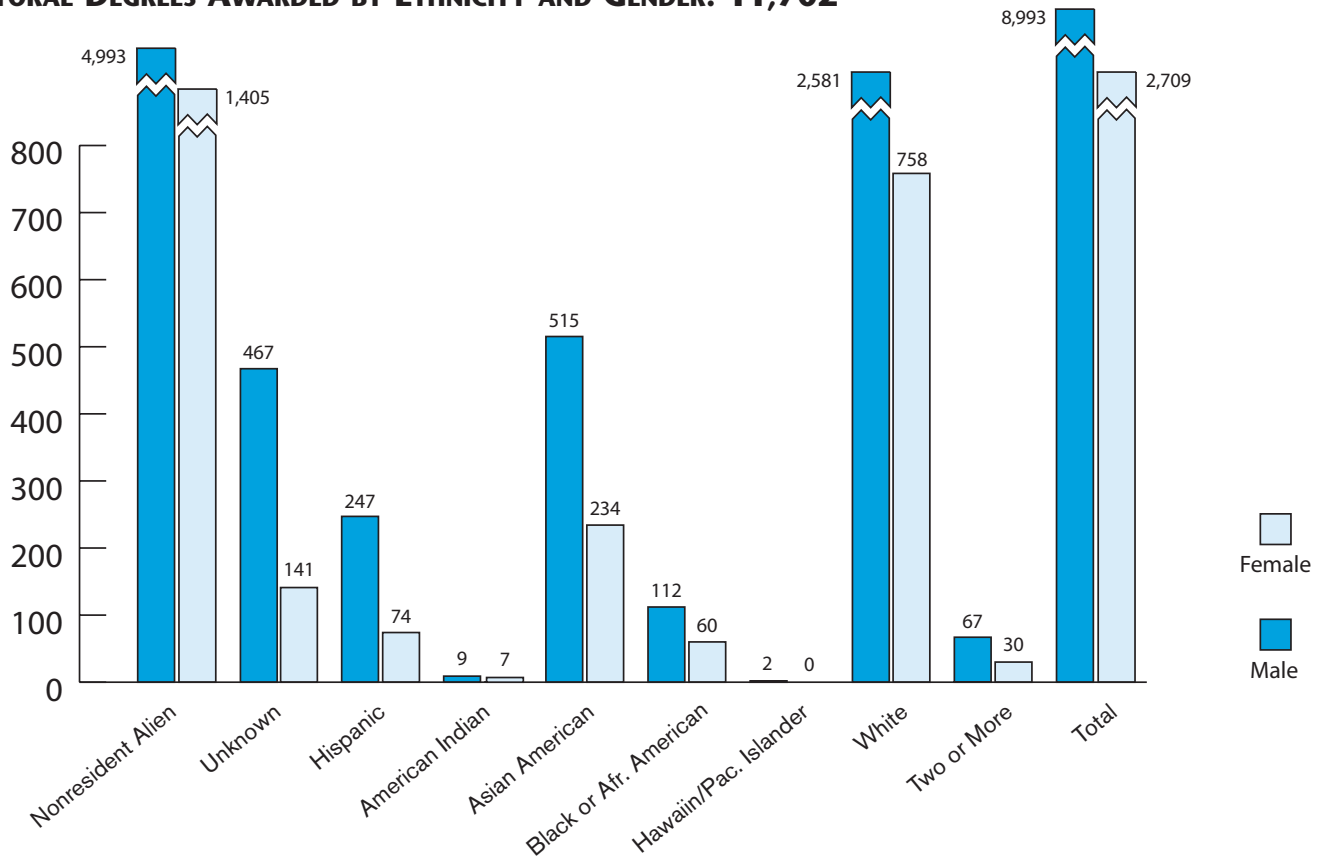
*Data on ethnicity does not include foreign nationals. American Indians (0.3%), Hawaiian/Pacific Islanders (0.4%) and Two or More (1.5%) are combined under Other.

DOCTORAL DEGREES BY RESIDENCY, 2015



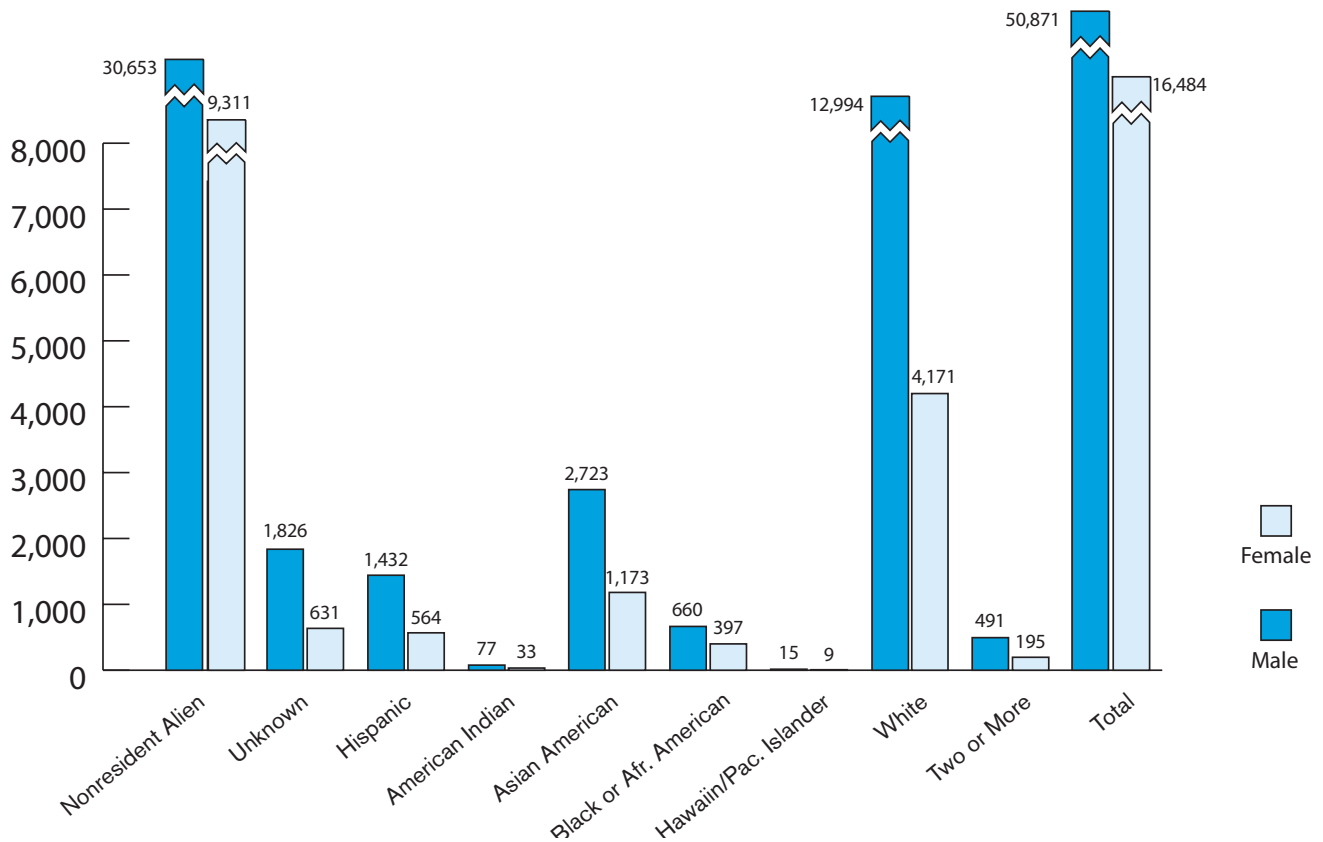
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Nonresident Alien	61.7%	61.6%	55.1%	55.1%	54.2%	54.2%	53.3%	55.1%	54.8%
Permanent Resident	38.3%	38.4%	44.9%	44.9%	45.8%	45.8%	46.7%	44.9%	45.2%

DOCTORAL DEGREES AWARDED BY ETHNICITY AND GENDER: 11,702*



*Includes 9 male and 5 female graduates from Puerto Rico.

DOCTORAL ENROLLMENT BY ETHNICITY AND GENDER: 67,355*



*Includes 76 Hispanic male and 28 Hispanic female enrolled students from schools in Puerto Rico.

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

1. Georgia Institute of Technology	1,985
2. Univ. of Illinois, Urbana-Champaign	1,708
3. Purdue University	1,626
4. Pennsylvania State University	1,624
5. Virginia Tech	1,488
6. Texas A&M University	1,342
7. Ohio State University	1,291
8. University of California, Berkeley	1,243
9. University of Michigan	1,210
10. North Carolina State University	1,176
11. Iowa State University	1,155
12. University of Florida	1,153
13. University of Texas, Austin	1,135
14. California Polytechnic State University	956
15. Arizona State University	931
15. University of Central Florida	931
17. Missouri Univ. of Science and Tech.	923
18. Colorado School of Mines	917
19. University of Maryland, College Park	887
20. University of California, San Diego	829
21. University of Wisconsin, Madison	813
22. California State Poly. U., Pomona	807
23. University of Washington	799
24. Rutgers University	790
25. Drexel University	753
26. University of Minnesota, Twin Cities	752
27. Clemson University	740
28. Louisiana State University	707
29. University at Buffalo, SUNY	681
30. Oregon State University	678
31. Cornell University	671
32. Rensselaer Polytechnic Institute	670
33. University of Colorado, Boulder	662
34. Michigan Technological University	654
35. University of California, Davis	652
36. Worcester Polytechnic Institute	647
37. University of California, Irvine	634
38. Texas Tech University	633
39. Auburn University	621
40. Washington State University	613
41. West Virginia University	606
42. University of California, Los Angeles	597
43. Massachusetts Institute of Technology	567
44. California State University, Long Beach	560
45. University of Pittsburgh	557
46. Stony Brook University	542
47. University of Virginia	539
48. Michigan State University	536
49. New Jersey Institute of Technology	530
50. University of Puerto Rico, Mayaguez	524

352 schools reported.

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

1. University of Southern California	1,481
2. University of Michigan	1,067
3. Georgia Institute of Technology	1,040
4. Columbia University	988
5. Arizona State University	940
6. Stanford University	908
7. Carnegie Mellon University	845
8. Stevens Institute of Technology	816
9. Cornell University	713
10. Massachusetts Institute of Technology	708
11. Johns Hopkins University	698
12. University of Florida	671
13. Northeastern University	668
14. Purdue University	655
15. San Jose State University	639
16. Univ. of Illinois, Urbana-Champaign	631
17. NYU Tandon School of Engineering	610
18. North Carolina State University	580
19. New Jersey Institute of Technology	571
19. Texas A&M University	571
21. University of Washington	562
22. University of California, Los Angeles	557
23. University of California, Berkeley	548
24. Missouri Univ. of Science and Tech.	533
25. University of Texas, Arlington	502
26. University at Buffalo, SUNY	493
27. Northwestern University	489
28. University of Maryland, College Park	470
29. Illinois Institute of Technology	465
30. University of Wisconsin, Madison	450
31. George Mason University	439
32. George Washington University	427
33. University of Texas, Austin	417
34. University of Colorado, Boulder	413
35. University of Pennsylvania	412
36. Virginia Tech	395
37. Drexel University	392
38. Worcester Polytechnic Institute	389
39. Stony Brook University	380
40. Pennsylvania State University	372
41. University of Texas, Dallas	362
42. Ohio State University	361
43. Texas A&M University, Kingsville	347
44. Santa Clara University	343
45. Colorado School of Mines	338
46. Wright State University	337
47. Syracuse University	325
48. Southern Methodist University	322
49. Clemson University	321
50. University of Minnesota, Twin Cities	318

264 schools reported.

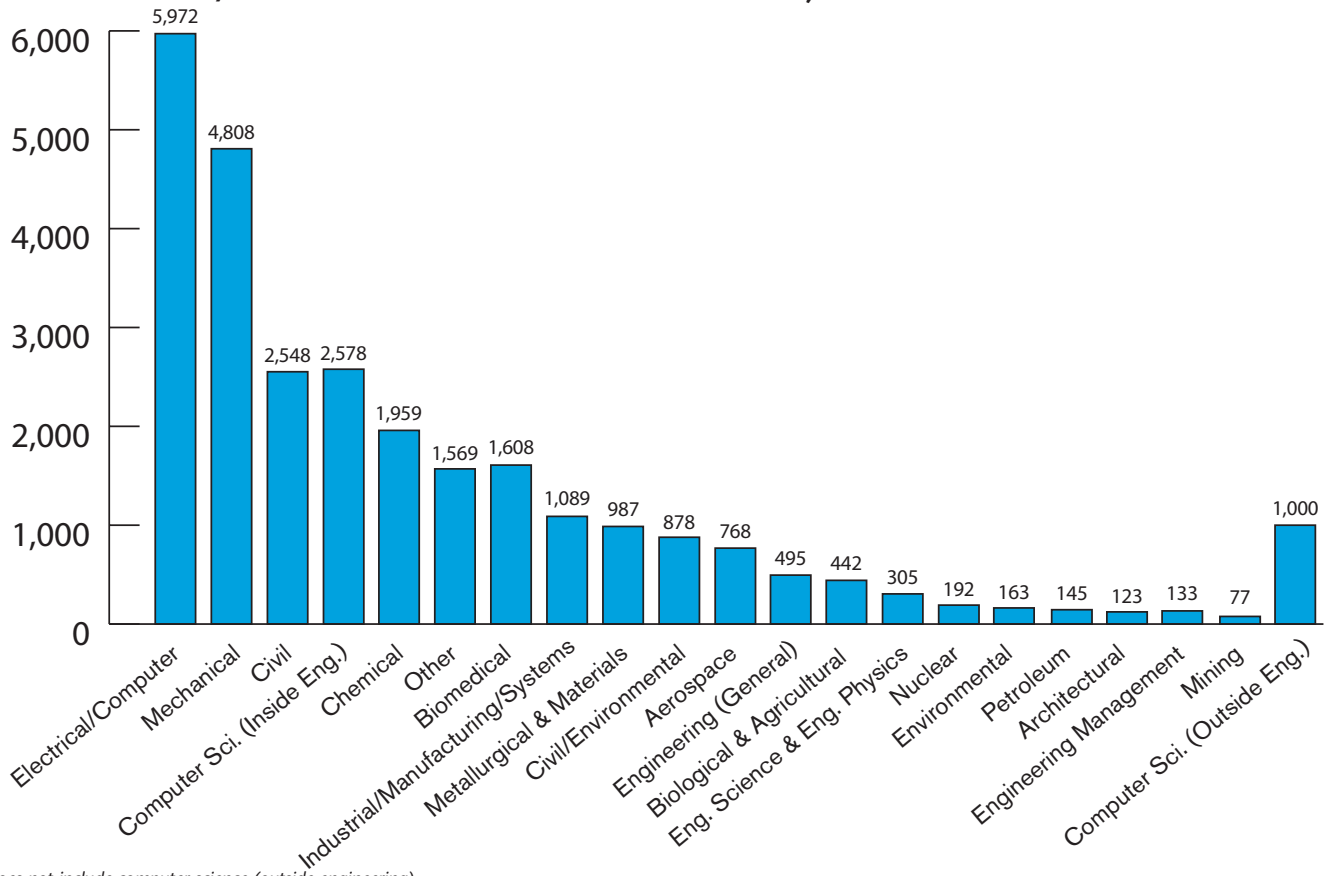
ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL (EXCLUDING COMPUTER SCIENCE)

1. Georgia Institute of Technology	358
2. Massachusetts Institute of Technology	348
3. Purdue University	281
4. Univ. of Illinois, Urbana-Champaign	264
5. University of Michigan	257
6. Stanford University	247
7. Pennsylvania State University	228
8. University of Texas, Austin	217
9. Texas A&M University	214
10. University of California, Berkeley	200
11. University of Florida	193
12. Virginia Tech	168
13. University of Wisconsin, Madison	165
14. University of California, Los Angeles	159
15. North Carolina State University	157
16. Cornell University	150
17. Carnegie Mellon University	146
18. Ohio State University	141
19. University of California, San Diego	139
20. Northwestern University	133
21. University of Washington	131
22. University of Maryland, College Park	127
23. University of Minnesota, Twin Cities	125
24. University of Southern California	122
25. Colorado School of Mines	121
26. Columbia University	116
27. Johns Hopkins University	108
28. University of Colorado, Boulder	103
29. Arizona State University	95
30. University of Arizona	94
31. Clemson University	91
32. Drexel University	89
33. Rensselaer Polytechnic Institute	88
34. University of California, Irvine	87
35. Michigan State University	84
36. University of California, Davis	83
36. Princeton University	83
38. University of California, Riverside	81
38. Iowa State University	81
40. University of Notre Dame	80
40. University of Tennessee, Knoxville	80
42. University of Utah	79
43. University of Virginia	77
44. University of California, Santa Barbara	72
44. Stony Brook University	72
46. Missouri Univ. of Science and Tech.	69
46. University of Texas, Arlington	69
48. University of Pittsburgh	68
48. Rutgers University	68
50. William Marsh Rice University	67

202 schools reported.

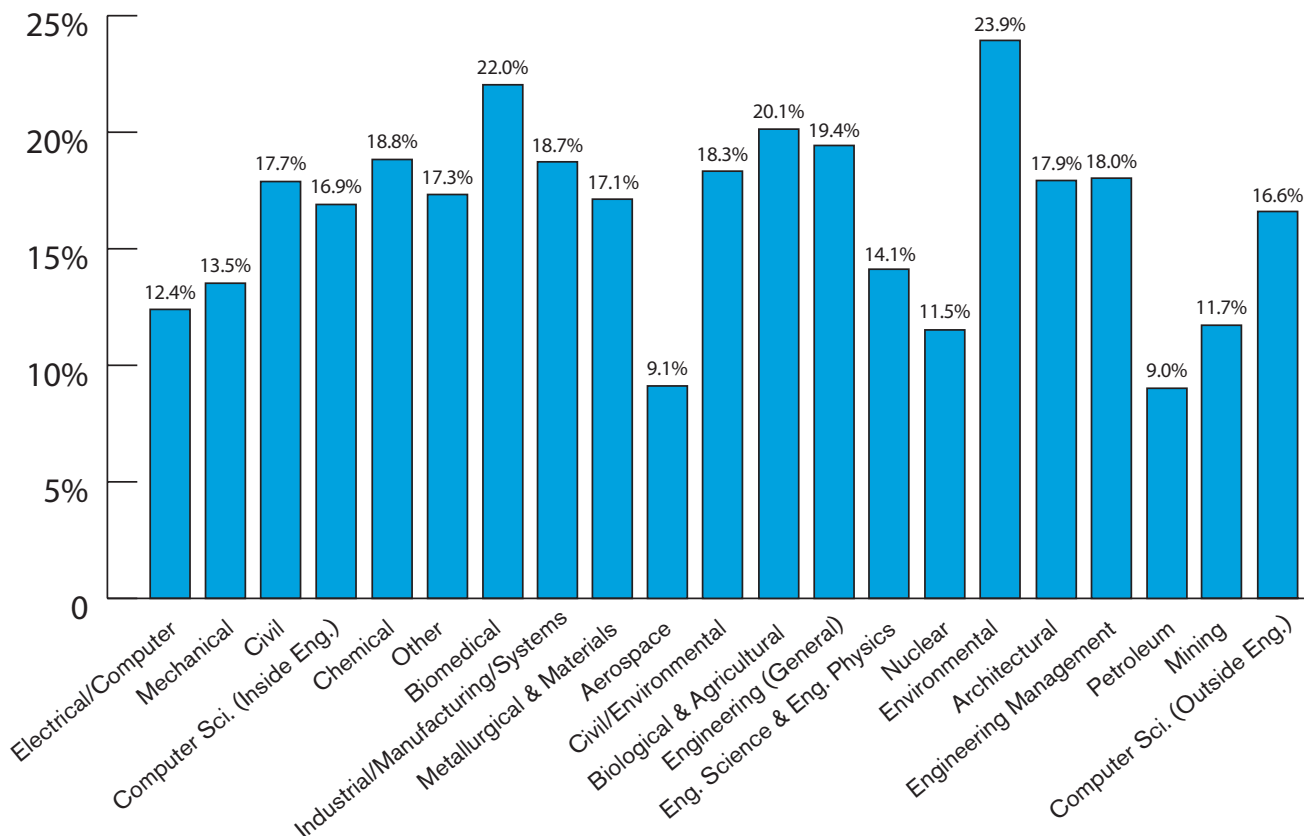
Note: All enrollment and degree data in this book includes computer science programs administered by the engineering colleges. This page displays the largest degree programs at each level without the computer science programs.

NUMBER OF TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 26,839*



*Total does not include computer science (outside engineering).

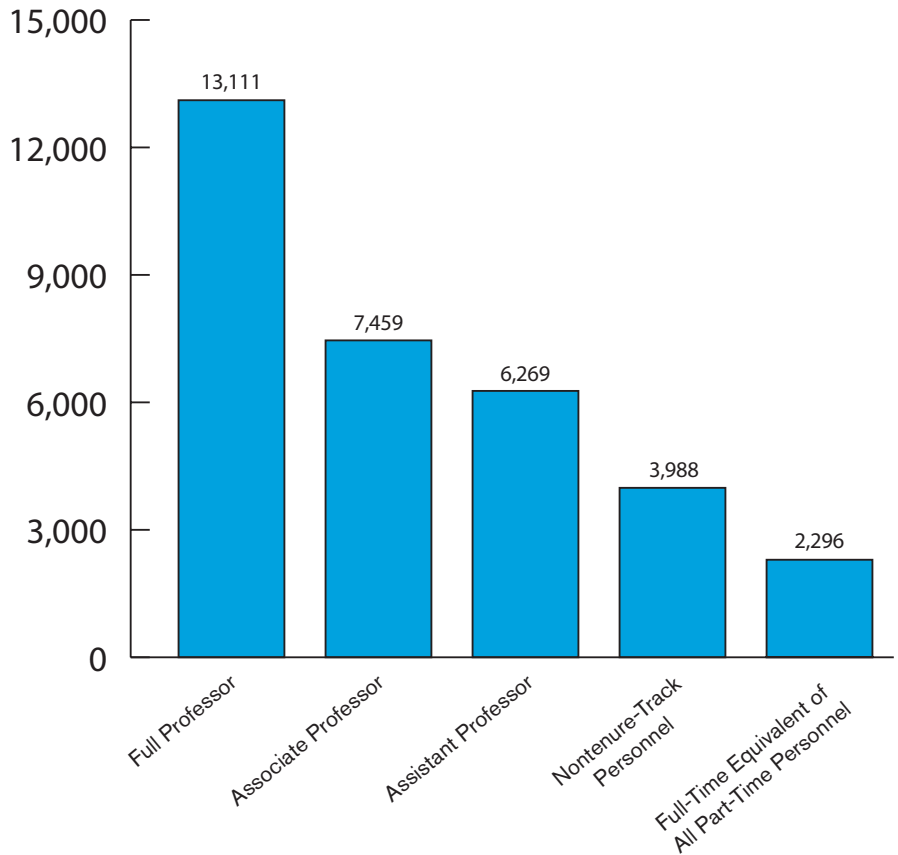
PERCENTAGE OF WOMEN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 15.7%



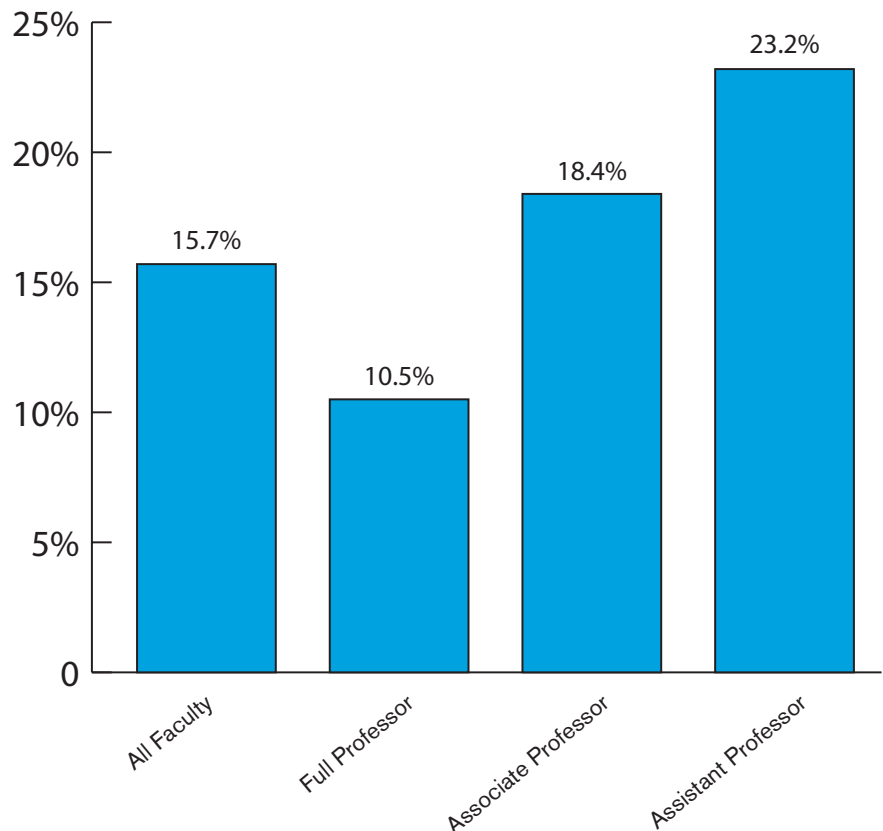
TENURED/TENURE-TRACK FACULTY MEMBERS BY SCHOOL

1. Univ. of Illinois, Urbana-Champaign	446
2. Georgia Institute of Technology	435
3. Texas A&M University	405
4. University of Michigan	397
5. Massachusetts Institute of Technology	378
6. Virginia Tech	351
7. Purdue University	348
8. Pennsylvania State University	340
9. North Carolina State University	336
10. Arizona State University	287
11. University of Florida	282
12. University of Texas, Austin	270
13. Iowa State University	265
14. Ohio State University	257
14. University of Washington	257
16. University of California, Berkeley	253
16. Cornell University	253
18. Stanford University	248
19. University of Minnesota -Twin Cities	238
20. University of California, San Diego	212
21. Clemson University	207
21. University of Maryland College Park	207
23. University of California, Davis	205
24. University of Wisconsin, Madison	202
25. Colorado School of Mines	195
26. University of Nebraska, Lincoln	194
27. University of Utah	189
28. University of Colorado, Boulder	187
29. Northwestern University	185
29. University of Southern California	185
31. University of Tennessee Knoxville	182
32. Missouri Univ. of Science and Tech.	180
33. Michigan State University	179
34. University of Puerto Rico, Mayaguez	177
35. Oregon State University	173
36. Stony Brook University	172
37. Carnegie Mellon University	169
38. University at Buffalo SUNY	168
39. University of California Los Angeles	164
40. University of Illinois at Chicago	162
41. Johns Hopkins University	161
42. University of Arizona	159
43. University of Texas, Dallas	154
44. Washington State University	152
45. Rutgers University	150
46. Columbia University	149
47. University of Connecticut	145
47. University of Oklahoma	145
49. University of Kentucky	143
50. Air Force Institute of Technology	142

NUMBER OF TEACHING PERSONNEL BY RANK: 33,123



PERCENTAGE OF WOMEN TENURED/TENURE-TRACK FACULTY BY LEVEL



350 schools reported.

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

1. Seattle Pacific University	66.7%
2. Smith College	62.5%
3. Humboldt State University	42.9%
4. Seattle University	38.5%
5. Olin College of Engineering	37.8%
6. Kettering University	37.3%
7. Baker College	33.3%
7. Colorado State University, Pueblo	33.3%
7. Fairfield University	33.3%
7. Harvey Mudd College	33.3%
7. James Madison University	33.3%
7. Loyola University	33.3%
7. Sweet Briar College	33.3%
14. University of Hartford	31.3%
15. University of the Pacific	31.0%
16. Santa Clara University	30.2%
17. California State University, Long Beach	30.0%
17. San Jose State University	30.0%
17. Union College	30.0%
20. Hofstra University	29.2%
21. Univ. of North Carolina, Chapel Hill	29.0%
22. Oral Roberts University	28.6%
22. Pennsylvania State University, Harrisburg	28.6%
22. Texas Christian University	28.6%

25. Gannon University	28.0%
25. University of Portland	28.0%
27. Villanova University	27.9%
28. University of Bridgeport	27.8%
29. Stevens Institute of Technology	27.3%
30. Prairie View A&M University	26.7%
31. California State University, Los Angeles	26.5%
31. Mercer University	26.5%
33. University of San Diego	26.3%
34. Gonzaga University	25.9%
35. Rowan University	25.7%
36. Bucknell University	25.4%
37. Boise State University	25.0%
37. California State University, East Bay	25.0%
37. Saint Cloud State University	25.0%
37. Union University	25.0%
37. U.S. Coast Guard Academy	25.0%
42. California State Poly. U., Pomona	24.4%
43. Tulane University	24.2%
44. Grand Valley State University	24.1%
45. University of Minnesota, Duluth	24.0%
46. University of New Haven	23.7%
47. Lafayette College	23.5%
47. Roger Williams University	23.5%
49. University of Puerto Rico, Mayaguez	23.2%
50. Montana State University	22.7%

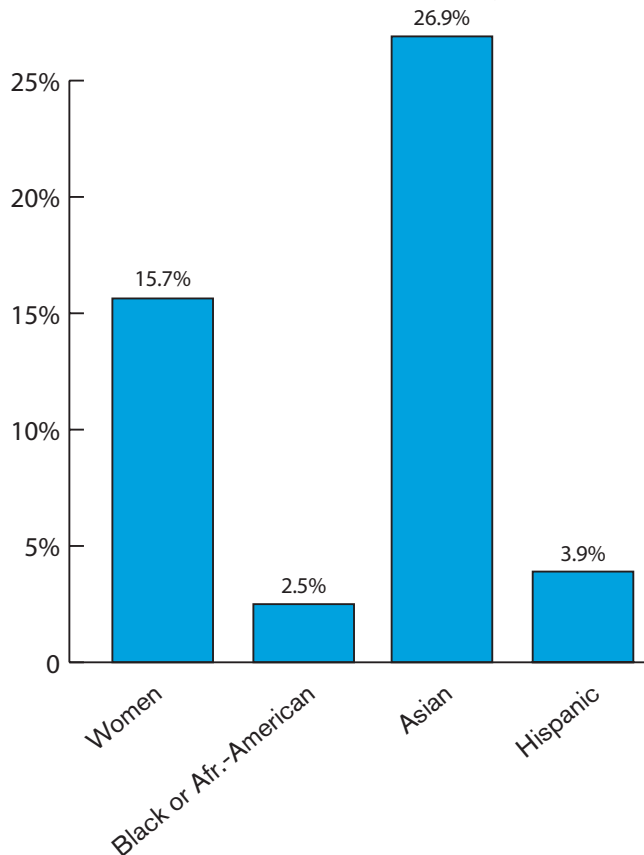
*Minimum of 25 faculty members.
350 schools fit this criterion.

WOMEN TENURED/TENURE-TRACK FACULTY BY SCHOOL

1. Univ. of Illinois, Urbana-Champaign	81
2. University of Michigan	78
3. Georgia Institute of Technology	71
4. Massachusetts Institute of Technology	67
5. Purdue University	65
6. Arizona State University	58
7. University of Washington	57
8. Texas A&M University	52
9. Virginia Tech	51
10. North Carolina State University	50
11. Pennsylvania State University	48
12. Iowa State University	47
13. University of Florida	46
14. Cornell University	45
15. University of California, Berkeley	42
15. University of California, Davis	42
15. University of Texas, Austin	42
18. University of Puerto Rico, Mayaguez	41
19. Ohio State University	39
20. Stanford University	38

350 schools reported.

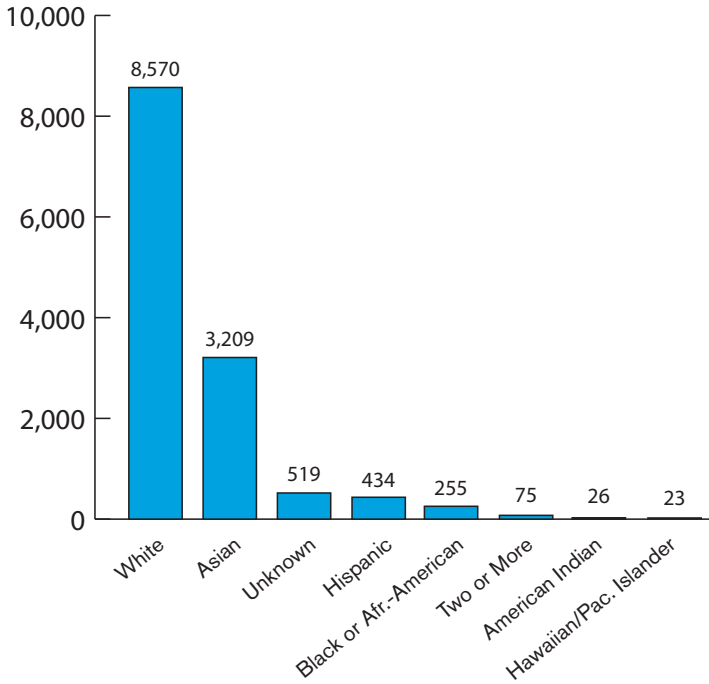
PERCENTAGE OF WOMEN AND MINORITY FACULTY, 2006–2015*



	Women	African-American	Asian	Hispanic
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%
2010	13.2%	2.5%	23.9%	3.6%
2011	13.8%	2.5%	24.1%	3.7%
2012	14.0%	2.7%	24.6%	3.9%
2013	14.5%	2.6%	25.2%	3.6%
2014	15.2%	2.5%	25.6%	3.9%
2015	15.7%	2.5%	26.9%	3.9%

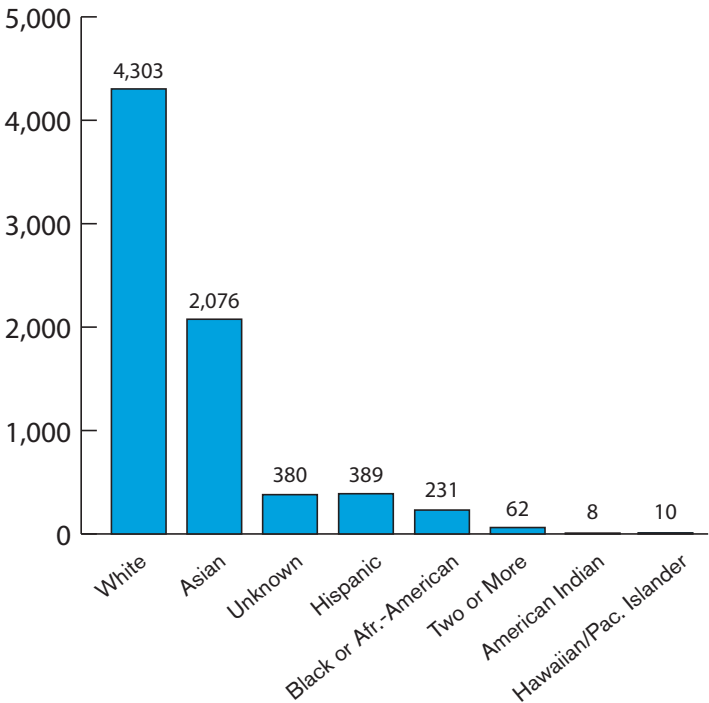
*Note: Includes faculty data from University of Puerto Rico, Mayaguez and the Polytechnic University of Puerto Rico

NUMBER OF FULL PROFESSORS BY RACE/ETHNICITY (TEACHING): 13,111*



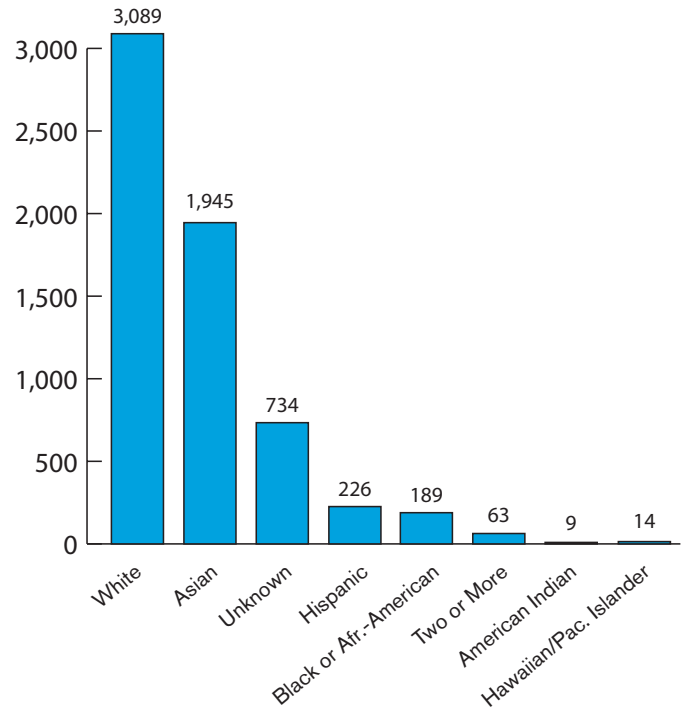
*Note: Includes 122 Hispanic faculty from University of Puerto Rico, Mayaguez and the Polytechnic University of Puerto Rico. Computer science outside engineering has been removed.

NUMBER OF ASSOCIATE PROFESSORS BY RACE/ETHNICITY (TEACHING): 7,459*



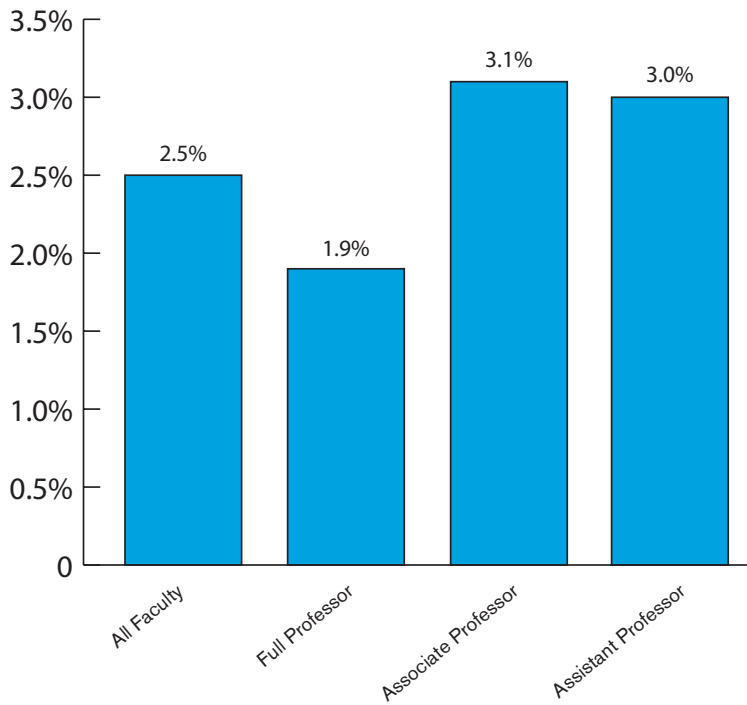
*Note: Includes 88 Hispanic faculty from University of Puerto Rico, Mayaguez and the Polytechnic University of Puerto Rico. Computer science outside engineering has been removed.

NUMBER OF ASSISTANT PROFESSORS BY RACE/ETHNICITY (TEACHING): 6,269*

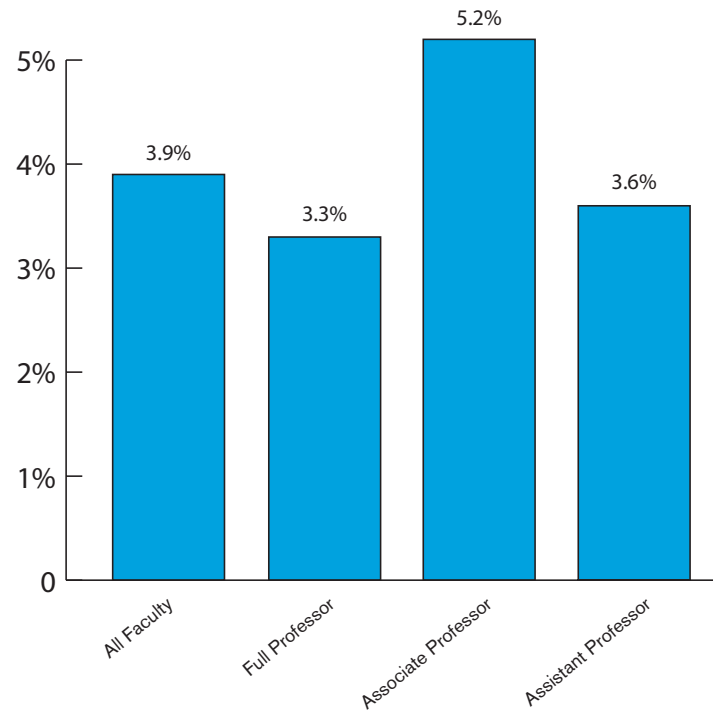


*Note: Includes 26 Hispanic faculty from University of Puerto Rico, Mayaguez, and Polytechnic University of Puerto Rico. Computer science outside engineering has been removed.

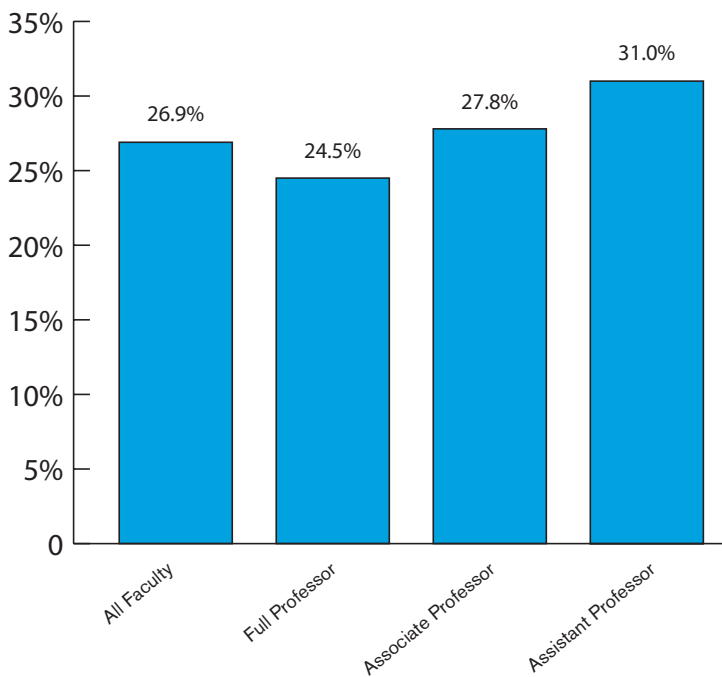
PERCENTAGE OF AFRICAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY LEVEL*



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 the Polytechnic University of Puerto Rico. Computer science (outside engineering) has been removed.

AFRICAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY SCHOOL

1. Howard University	28
2. Georgia Institute of Technology	20
2. North Carolina A&T State University	20
4. Southern University and A&M College	18
5. FAMU-FSU College of Engineering	16
5. University of Michigan	16
5. Prairie View A&M University	16
8. University of Florida	14
9. University of Minnesota Duluth	13
10. Univ. of Illinois, Urbana-Champaign	12
11. Massachusetts Institute of Technology	11
11. Pennsylvania State University	11
11. Tuskegee University	11
14. Cornell University	10
14. North Carolina State University	10
16. University of Tennessee, Chattanooga	9
17. University of the District of Columbia	8
17. Virginia Tech	8
19. University of Delaware	7
19. University of Maryland, College Park	7
19. New Jersey Institute of Technology	7
19. Stanford University	7

350 schools reported.

ASIAN TENURED/TENURE-TRACK FACULTY BY SCHOOL

1. Texas A&M University	132
2. Univ. of Illinois, Urbana-Champaign	120
3. Purdue University	117
4. Georgia Institute of Technology	116
5. Iowa State University	98
5. University of Michigan	98
7. Arizona State University	97
8. Ohio State University	89
9. North Carolina State University	85
10. University of Florida	84
10. Virginia Tech	84
12. University at Buffalo SUNY	78
13. Pennsylvania State University	76
14. Michigan State University	72
15. University of Nebraska, Lincoln	69
16. University of California, Los Angeles	67
17. Stony Brook University	65
18. University of California, San Diego	63
18. University of Southern California	63
18. University of Texas, Dallas	63

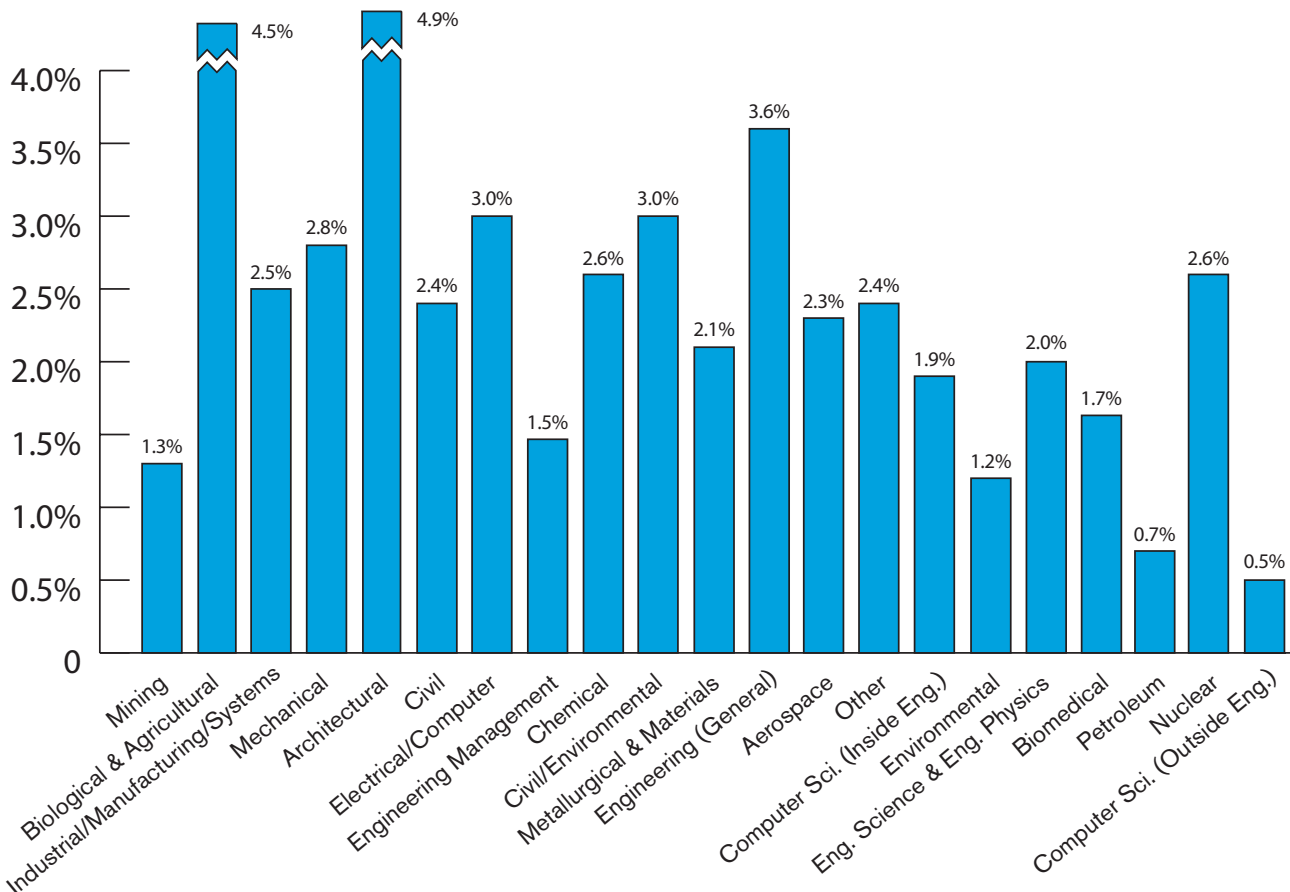
350 schools reported.

HISPANIC TENURED/TENURE-TRACK FACULTY BY SCHOOL

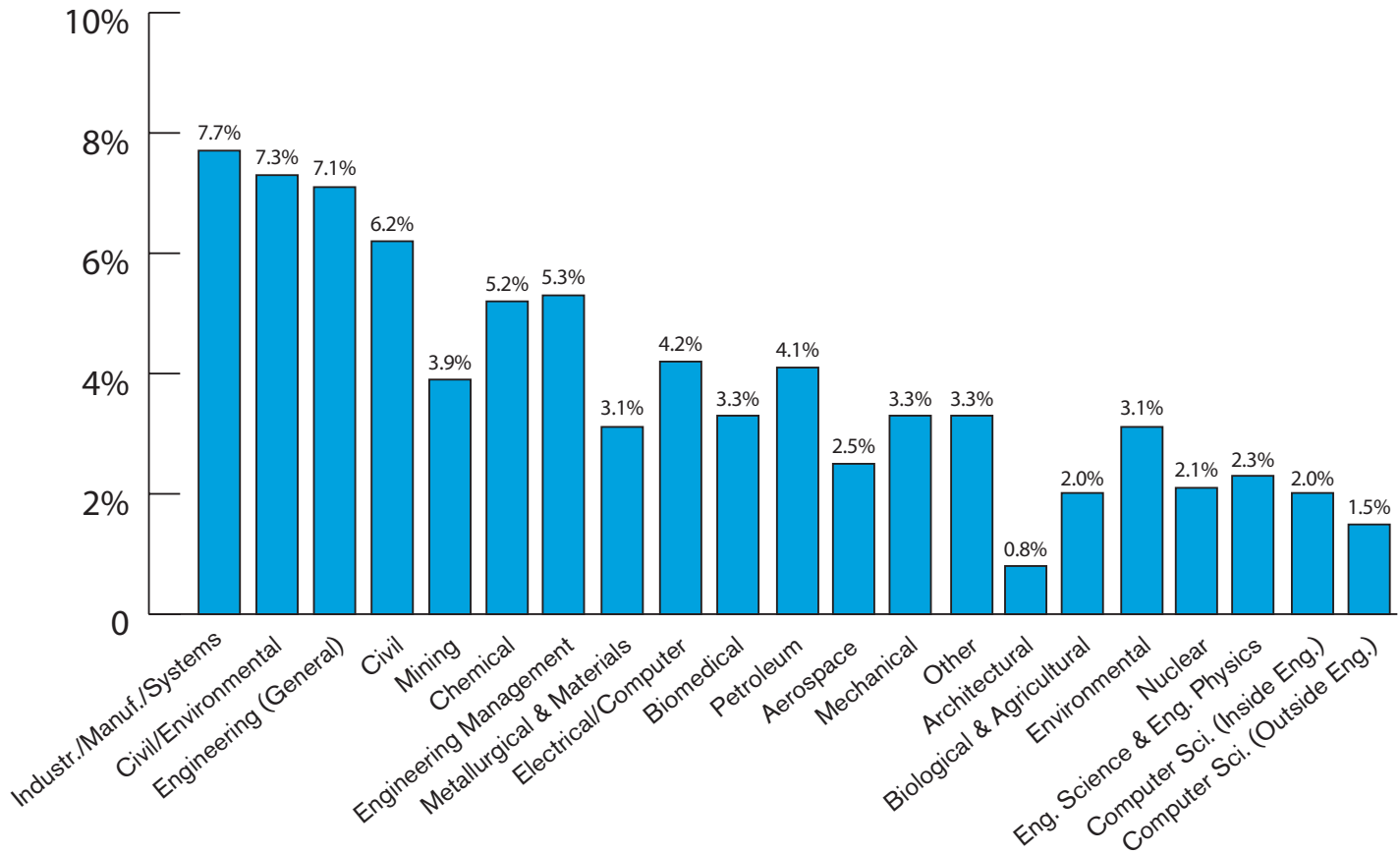
1. University of Puerto Rico, Mayaguez	163
2. Polytechnic University of Puerto Rico	55
3. Texas A&M University	30
4. University of Texas, El Paso	23
5. University of California, San Diego	17
6. Massachusetts Institute of Technology	16
7. University of Florida	15
7. Univ. of Illinois, Urbana-Champaign	15
7. Virginia Tech	15
10. University of California, Berkeley	14
11. Arizona State University	13
11. Georgia Institute of Technology	13
13. New Mexico State University	12
13. Pennsylvania State University	12
13. Purdue University	12
13. Stanford University	12
17. Rochester Institute of Technology	11
17. University of Texas, Austin	11
19. Ohio State University	10
19. University of South Florida	10

350 schools reported.

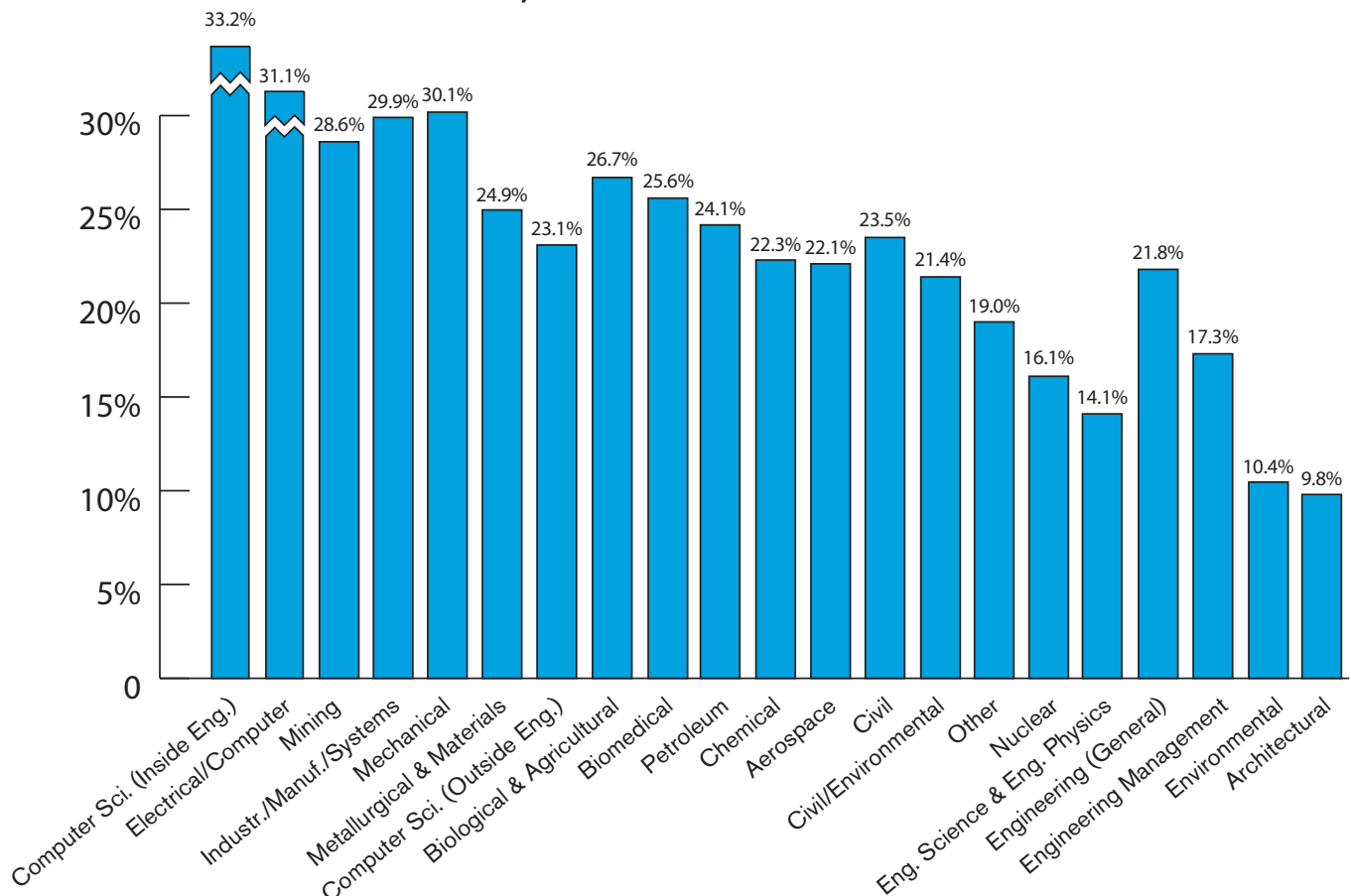
PERCENTAGE OF AFRICAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 2.5%



PERCENTAGE OF HISPANIC TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 3.9%



PERCENTAGE OF ASIAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 26.9%



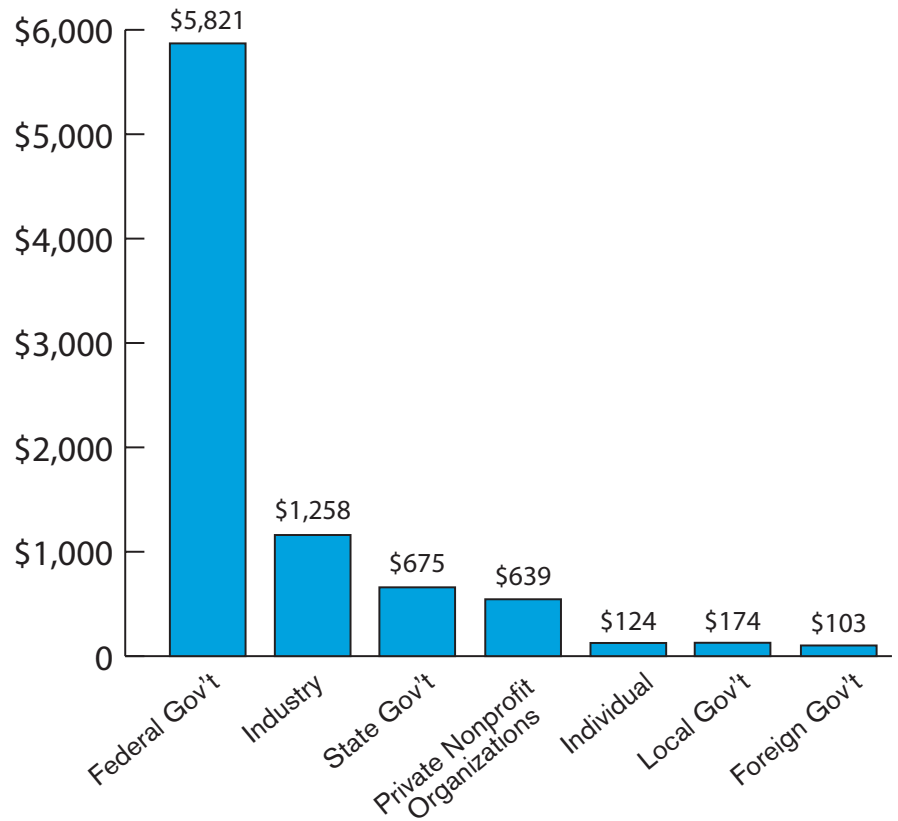
RESEARCH EXPENDITURES BY SCHOOL

(IN MILLIONS)

1. Massachusetts Institute of Technology	\$465.4
2. Texas A&M University	\$309.2
3. University of Michigan	\$265.6
4. Univ. of Illinois, Urbana-Champaign	\$222.1
5. Purdue University	\$214.1
6. University of California, Berkeley	\$207.0
7. Carnegie Mellon University	\$202.5
8. Stanford University	\$200.4
9. University of Southern California	\$188.8
10. University of Texas, Austin	\$175.9
11. North Carolina State University	\$175.7
12. Virginia Tech	\$175.1
13. Georgia Institute of Technology	\$172.0
14. University of Wisconsin, Madison	\$167.0
15. University of California, San Diego	\$162.4
16. University of Washington	\$141.8
17. Cornell University	\$136.3
18. University of Maryland, College Park	\$132.1
19. Ohio State University	\$120.4
20. Johns Hopkins University	\$112.9
21. California Institute of Technology	\$110.9
22. University of Minnesota, Twin Cities	\$110.3
23. Northwestern University	\$109.9
24. University of California, Los Angeles	\$104.6
25. University of Pennsylvania	\$103.4
26. University of California, Santa Barbara	\$102.9
27. Pennsylvania State University	\$101.1
28. Boston University	\$96.0
29. University of Colorado, Boulder	\$93.4
30. Arizona State University	\$92.7
31. Duke University	\$92.0
32. University of Dayton	\$91.3
33. Princeton University	\$90.7
34. University of Rochester	\$89.3
35. Iowa State University	\$88.1
36. University of Pittsburgh	\$85.1
37. University of California, Davis	\$80.8
38. University of Utah	\$80.4
39. Vanderbilt University	\$69.3
40. University of Virginia	\$66.8
41. University of Florida	\$65.7
42. University of California, Irvine	\$64.5
43. University of Tennessee, Knoxville	\$64.1
44. Colorado State University	\$61.9
45. William Marsh Rice University	\$61.0
46. University at Buffalo, SUNY	\$58.6
47. Auburn University	\$58.3
47. Northeastern University	\$58.3
49. University of Arizona	\$57.7
50. Rensselaer Polytechnic Institute	\$53.2

203 schools reported.

RESEARCH EXPENDITURES BY SOURCE IN MILLIONS OF DOLLARS: \$8,794



COMPUTER SCIENCE RESEARCH EXPENDITURES LOCATED OUTSIDE OF ENGINEERING BY SCHOOL

(IN MILLIONS)

1. Carnegie Mellon University	\$88.6
2. University of Wisconsin, Madison	\$27.8
3. University of Texas, Austin	\$23.5
4. Georgia Institute of Technology	\$23.5
5. University of Maryland, College Park	\$20.8
6. Purdue University	\$16.6
7. University of Massachusetts, Amherst	\$14.0
8. University of California, Irvine	\$13.8
9. Northeastern University	\$13.8
10. Rutgers University	\$10.8
11. University of Alabama, Huntsville	\$10.4
12. Rensselaer Polytechnic Institute	\$6.5
13. Brown University	\$6.1
14. Duke University	\$4.9
15. Worcester Polytechnic Institute	\$4.4
16. University of Arizona	\$4.3
16. University of Houston	\$3.4
18. Boston University	\$3.1
19. University of Pittsburgh	\$2.4
20. Illinois Institute of Technology	\$2.4

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

1. California State Poly. U., Pomona	9.4
2. University of Central Florida	9.3
3. California Polytechnic State University	8.1
4. California State University-Long Beach	8.0
5. Marietta College	7.9
6. Polytechnic University of Puerto Rico	7.6
7. San Diego State University	7.1
8. Florida International University	7.1
9. New York Institute of Technology	6.9
10. Texas Tech University	6.9
11. Worcester Polytechnic Institute	6.9
12. Montana State University	6.7
13. Gonzaga University	6.7
13. California State University-Northridge	6.4
15. U.S. Naval Academy	6.2
16. Louisiana State University	6.1
16. University of Portland	6.0
18. Drexel University	5.9
19. University of Missouri	5.8
20. Northern Arizona University	5.8

*Minimum of 50 degrees awarded.
281 schools fit the criteria for this table.
Faculty refers to teaching faculty.

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

1. George Washington University	1.4
2. California Institute of Technology	1.6
3. Tuskegee University	1.6
4. Howard University	1.7
5. University of Memphis	1.8
6. University of Arkansas, Little Rock	1.8
7. University of Georgia	1.8
8. Southern University and A&M College	1.8
9. Alabama A&M University	1.9
10. Brown University	2.0
11. Yale University	2.0
12. Massachusetts Institute of Technology	2.0
13. Wayne State University	2.1
13. Bucknell University	2.1
15. Tulane University	2.1
16. Northwestern University	2.1
16. University of Alaska Fairbanks	2.2
18. Old Dominion University	2.2
19. Olin College of Engineering	2.3
20. West Virginia University Inst. of Tech.	2.3

*Minimum of 50 degrees awarded.
281 schools fit the criteria for this table.
Faculty refers to teaching faculty.

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

1. University of Dayton	\$5.07
2. University of Alabama, Huntsville	\$2.36
3. Wichita State University	\$2.17
4. University of Rochester	\$1.94
5. Boston University	\$1.68
6. California Institute of Technology	\$1.48
7. University of Iowa	\$1.45
8. Texas A&M University	\$1.4
9. Duke University	\$1.39
9. Carnegie Mellon University	\$1.39
11. Massachusetts Institute of Technology	\$1.34
12. University of Pennsylvania	\$1.33
13. Colorado State University	\$1.29
14. University of Pittsburgh	\$1.25
14. New Jersey Institute of Technology	\$1.25
16. University of Southern California	\$1.2
17. University of California, Santa Barbara	\$1.16
18. Northeastern University	\$1.1
18. Vanderbilt University	\$1.1
20. Iowa State University	\$1.09
21. University of Washington	\$1.08
22. University of California, Santa Cruz	\$1.04
22. University of Maryland, College Park	\$1.04
24. University of Michigan	\$1.03
25. University of Wisconsin, Madison	\$1.01
25. Johns Hopkins University	\$1.01
25. FAMU-FSU College of Engineering	\$1.01
28. University of California, San Diego	\$1.
29. Princeton University	\$.98
30. North Carolina State University	\$.97
31. Yale University	\$.95
31. University of California, Berkeley	\$.95
33. Mississippi State University	\$.91
33. Virginia Tech	\$.91
35. Tufts University	\$.9
36. NYU Tandon School of Engineering	\$.84
37. University of Colorado, Boulder	\$.83
37. Cornell University	\$.83
37. University of Virginia	\$.83
40. University of Texas, Austin	\$.81
40. University of Tulsa	\$.81
42. University of Utah	\$.8
42. Northwestern University	\$.8
42. Auburn University	\$.8
45. William Marsh Rice University	\$.79
45. University of Texas, El Paso	\$.79
47. Purdue University	\$.76
48. University of Tennessee, Knoxville	\$.75
48. University at Buffalo, SUNY	\$.75
48. Arizona State University	\$.75

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

HIGHEST PERCENTAGE OF DOCTORAL DEGREES TO FOREIGN NATIONALS BY SCHOOL*

1. SUNY, Binghamton	87.5%
2. Syracuse University	87.1%
3. Stony Brook University	86.7%
4. Southern Illinois University, Carbondale	85.2%
5. University of Alabama	80.6%
6. University of Houston	79.4%
7. Oklahoma State University	78.7%
8. Texas Tech University	78.3%
9. University of Texas, Arlington	77.8%
9. University of North Dakota	77.8%
9. University of North Texas	77.8%
12. University of Louisville	77.5%
13. University at Buffalo, SUNY	76.9%
13. University of Nebraska, Lincoln	76.9%
15. University of South Carolina	76.6%
16. Kansas State University	75.9%
17. Louisiana State University	75.5%
18. Illinois Institute of Technology	75.0%
19. Mississippi State University	74.4%
20. Lehigh University	73.8%

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

LOWEST PERCENTAGE OF DOCTORAL DEGREES TO FOREIGN NATIONALS BY SCHOOL*

1. Air Force Institute of Technology	2.8%
2. University of California, Santa Cruz	21.9%
3. Vanderbilt University	27.0%
4. University of Mississippi	27.6%
5. University of Colorado, Boulder	31.3%
6. University of Pennsylvania	34.6%
7. Colorado State University	35.4%
8. University of Texas, El Paso	36.0%
9. Stanford University	36.3%
10. University of California, Berkeley	36.7%
11. University of Kansas	37.1%
12. University of New Mexico	37.5%
13. George Washington University	37.7%
14. Duke University	37.9%
15. University of Washington	38.2%
16. Tufts University	40.0%
17. Drexel University	40.4%
18. Cornell University	41.2%
19. University of Rochester	41.3%
20. Columbia University	42.2%

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

BACHELOR'S DEGREES BY DISCIPLINE 2006–2015

Bachelor's Degrees	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Aerospace Engineering	2,722	2,788	2,930	3,057	3,218	3,459	3,668	3,595	3,695	3,803
Architectural Engineering	631	625	646	723	753	743	763	660	607	568
Biological/Agricultural Eng.	646	659	623	631	719	796	871	924	1,031	1,100
Biomedical Engineering	2,917	2,969	3,237	3,644	3,670	4,066	4,374	4,709	5,119	5,683
Chemical Engineering	4,452	4,551	4,850	5,185	5,948	6,487	7,245	7,717	8,110	9,090
Civil Engineering	8,935	9,402	10,132	10,508	11,027	12,154	12,309	12,464	12,333	11,900
Civil/Environmental Eng. ¹	291	445	464	558	591	709	751	953	881	1,000
Computer Engineering	4,901	4,046	3,808	3,394	3,340	3,381	3,688	3,906	4,201	4,881
Computer Science (Inside Eng.)	7,330	6,446	5,964	5,652	6,049	6,708	7,371	8,184	9,328	10,970
Electrical Engineering	11,915	11,467	10,790	9,859	9,634	9,942	10,102	10,662	11,261	11,385
Electrical/Computer Eng.	2,825	2,425	2,216	2,194	2,175	2,153	2,426	2,518	2,827	3,429
Engineering (General)	1,176	1,246	1,160	1,246	1,335	1,465	1,192	1,554	1,406	1,394
Engineering Management	238	274	331	309	336	315	434	418	436	527
Engr. Science and Engr. Physics	431	460	472	431	526	496	562	524	574	545
Environmental Engineering	437	454	486	503	587	698	905	994	1,012	1,124
Industr./Manuf./Systems Eng.	3,664	3,503	3,367	3,510	3,744	3,727	4,107	4,272	4,877	5,291
Mechanical Engineering	16,063	16,701	17,324	17,375	18,391	19,241	20,369	21,707	23,675	25,436
Metallurgical/Materials Eng.	909	963	1,095	1,035	1,152	1,161	1,280	1,415	1,440	1,671
Mining Engineering	120	119	153	190	191	213	236	231	324	335
Nuclear Engineering	342	402	415	378	414	469	565	614	584	544
Other Engineering Disciplines	2,902	2,942	3,211	3,351	3,794	3,730	3,956	4,260	4,202	4,517
Petroleum Engineering	339	428	496	654	753	888	1,002	1,079	1,250	1,465
TOTAL	74,186	73,315	74,170	74,387	78,347	83,001	88,176	93,360	99,173	106,658

ENROLLMENT BY CLASS 2006–2015

UNDERGRADUATE ENROLLMENT	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Freshmen	102,125	106,110	110,543	113,588	118,831	122,820	133,082	141,143	143,063	149,473
Sophomores	79,883	83,753	88,227	94,111	97,909	102,125	110,011	120,328	124,120	132,769
Juniors	79,244	80,647	86,835	92,758	97,519	102,102	108,862	118,600	128,228	135,804
Seniors	112,950	115,180	117,586	127,046	136,426	144,683	152,735	163,871	174,519	192,415
TOTAL FULL TIME	374,202	385,690	403,191	427,503	450,685	471,730	504,690	543,942	569,930	610,461
TOTAL PART TIME	31,331	30,971	31,828	32,085	34,903	38,470	42,724	45,644	48,781	54,450

MASTER'S DEGREES BY DISCIPLINE 2006–2015

MASTERS DEGREES	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Aerospace Engineering	1,094	1,056	1,096	1,075	1,166	1,398	1,443	1,308	1,410	1,380
Architectural Engineering	112	116	119	121	131	125	150	138	128	128
Biological/Agricultural Eng.	182	149	155	171	197	213	234	244	227	237
Biomedical Engineering	1,326	1,156	1,221	1,396	1,447	1,558	1,890	1,997	1,918	2,197
Chemical Engineering	1,204	1,036	1,051	1,084	1,162	1,354	1,440	1,456	1,545	1,716
Civil Engineering	3,835	3,368	3,437	3,659	4,088	4,739	5,002	4,778	4,958	4,897
Civil/Environmental Eng. ¹	109	178	223	249	282	279	570	754	618	739
Computer Engineering	1,510	1,479	1,662	1,880	1,712	1,783	1,963	1,883	2,081	2,093
Computer Science (Inside Eng.)	5,197	4,913	4,924	5,373	5,230	5,497	5,756	6,182	6,325	8,359
Electrical Engineering	5,256	5,026	5,735	6,137	6,345	6,666	6,572	6,305	6,536	7,768
Electrical/Computer Eng.	3,753	3,532	3,757	3,682	3,459	3,799	3,824	3,756	4,019	4,840
Engineering (General)	671	602	612	729	745	906	666	623	645	557
Engineering Management	1,817	2,114	2,036	2,240	2,595	2,484	2,665	2,690	2,835	3,020
Engr. Science/Engr. Physics	315	205	194	170	248	216	205	209	186	220
Environmental Engineering	571	552	524	552	639	724	788	805	871	898
Industr./Manuf./Systems Eng.	2,663	2,565	2,669	2,986	2,990	3,359	3,362	3,214	3,514	3,538
Mechanical Engineering	4,631	4,485	4,647	4,757	5,066	5,915	6,237	6,261	6,529	7,169
Metallurgical/Materials. Eng.	702	702	715	771	771	852	951	1,049	1,155	1,119
Mining Engineering	48	49	54	51	29	47	49	63	49	81
Nuclear Engineering	246	255	268	264	305	324	366	375	316	359
Other Engineering Disciplines	3,532	3,232	3,655	4,063	4,152	4,320	4,852	5,011	5,407	5,594
Petroleum Engineering	241	213	232	222	264	382	387	382	418	524
TOTAL	39,015	36,983	38,986	41,632	43,023	46,940	49,372	49,483	51,690	57,433

DOCTORAL DEGREES BY DISCIPLINE 2006–2015

DOCTORAL DEGREES	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Aerospace Engineering	244	259	252	276	254	280	317	351	368	350
Architectural Engineering	2	8	11	7	7	6	8	9	15	21
Biological/Agricultural Eng.	66	65	88	80	87	114	135	131	149	128
Biomedical Engineering	436	536	662	722	733	812	843	920	954	1,006
Chemical Engineering	834	898	888	836	905	863	849	866	993	1,062
Civil Engineering	767	770	706	707	681	747	714	806	817	882
Civil/Environmental Eng. ¹	29	51	100	87	92	78	115	134	174	188
Computer Engineering	191	193	216	230	248	229	248	268	211	251
Computer Science (Inside Eng.)	761	867	847	863	849	880	918	971	985	977
Electrical Engineering	939	1,064	1,006	959	992	1,030	1,126	1,129	1,152	1,105
Electrical/Computer Eng.	1,112	1,234	1,169	1,055	1,038	1,185	1,197	1,182	1,314	1,420
Engineering (General)	75	56	64	65	57	70	89	111	124	72
Engineering Management	39	37	35	44	46	43	51	74	64	74
Engr. Science/Engr. Physics	131	143	133	150	160	155	139	153	153	147
Environmental Engineering	129	133	138	143	134	154	134	156	179	186
Industr./Manuf./Systems Eng.	348	398	401	381	352	383	378	415	478	377
Mechanical Engineering	1,132	1,161	1,140	1,216	1,078	1,225	1,323	1,454	1,502	1,646
Metallurgical/Materials. Eng.	519	584	617	598	603	632	707	739	740	812
Mining Engineering	16	15	13	12	6	4	9	22	17	24
Nuclear Engineering	81	88	103	87	114	115	112	135	162	142
Other Engineering Disciplines	460	447	447	511	517	521	557	656	677	739
Petroleum Engineering	40	48	50	54	42	56	66	82	86	93
TOTAL	8,351	9,055	9,086	9,083	8,995	9,582	10,035	10,764	11,314	11,702

UNDERGRADUATE ENROLLMENT BY DISCIPLINE 2006–2015

UNDERGRAD ENROLLMENT	2006		2007		2008		2009	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	15,945	654	16,551	633	17,561	664	18,108	601
Architectural Engineering	3,986	187	4,205	199	4,033	130	3,618	179
Biological Eng. and Agricultural Eng.	3,038	68	3,103	103	3,191	78	3,778	96
Biomedical Engineering	15,411	481	16,153	518	17,798	519	19,558	504
Chemical Engineering	23,455	1,269	25,852	1,431	28,636	1,326	32,050	1,476
Civil Engineering	44,389	3,783	47,296	3,709	50,167	4,430	53,436	4,784
Civil/Environmental Engineering ¹	1,790	245	2,437	259	2,546	247	2,929	235
Computer Science (Inside Eng.)	27,062	4,355	27,348	4,202	27,766	4,081	29,959	4,092
Electrical/Computer Engineering	75,302	8,979	72,353	8,389	73,343	8,158	75,061	7,952
Engineering (General)	18,139	526	21,944	1,039	22,856	1,186	22,903	1,226
Engineering Management	1,014	35	1,034	31	1,224	23	1,036	24
Engr. Science and Engr. Physics	3,533	525	2,510	105	2,643	99	2,497	84
Environmental Engineering	2,270	128	2,761	171	3,180	308	4,027	338
Industr./Manuf./Systems Eng.	12,970	1,054	12,921	1,019	13,476	1,184	14,224	1,033
Mechanical Engineering	80,288	6,786	82,246	6,843	85,249	7,089	91,856	7,082
Metallurgical and Matrls. Eng.	3,862	184	4,019	210	4,312	164	4,520	146
Mining Engineering	764	37	836	51	881	51	974	68
Nuclear Engineering	1,667	75	1,771	64	1,832	41	2,207	60
Other Engineering Disciplines	36,503	1,877	36,955	1,897	38,468	1,922	40,536	1,912
Petroleum Engineering	2,814	83	3,395	98	4,029	128	4,226	193
TOTAL	374,202	31,331	385,690	30,971	403,191	31,828	427,503	32,085

2010		2011		2012		2013		2014		2015	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
18,482	785	18,909	879	19,402	897	19,216	879	19,973	966	20,331	1,075
3,677	183	3,381	161	3,195	164	3,234	171	3,117	120	3,135	144
3,911	127	4,291	151	4,245	172	4,796	198	5,233	178	5,356	239
21,166	556	23,403	664	25,884	736	27,671	950	28,434	990	31,534	1,116
34,506	1,563	36,499	1,819	39,448	2,053	42,962	2,169	45,813	2,414	48,879	2,732
53,520	5,008	53,215	4,940	53,082	4,995	52,379	4,888	51,659	4,791	53,486	5,085
3,185	302	3,163	313	3,773	273	4,332	343	4,262	347	4,278	372
32,921	4,690	36,983	5,347	42,296	6,100	48,685	7,303	55,482	8,170	65,244	9,939
77,270	8,427	80,607	8,867	85,113	9,470	91,336	9,951	93,955	10,502	102,519	11,493
25,035	1,022	27,159	1,159	27,981	1,276	32,604	1,435	33,220	1,600	30,681	1,848
1,005	36	1,114	36	1,528	62	1,631	118	1,727	267	2,133	376
2,618	66	2,650	96	3,174	173	3,011	220	3,166	204	3,361	258
4,549	360	4,788	363	4,970	415	5,118	394	5,121	357	5,504	387
14,751	1,151	15,429	1,426	16,851	1,587	18,310	1,623	19,517	1,669	20,890	1,800
96,164	7,687	101,476	9,016	110,379	10,096	120,083	10,694	127,094	11,457	138,437	12,659
4,970	173	5,273	182	5,589	230	6,074	253	6,426	266	7,262	323
1,039	80	1,112	63	1,174	65	1,281	75	1,137	89	985	83
2,399	89	2,529	99	2,468	112	2,219	118	2,026	113	2,101	124
44,914	2,311	44,647	2,584	47,905	3,370	51,357	3,254	53,447	3,451	56,113	3,542
4,603	287	5,102	305	6,233	478	7,643	623	7,643	623	8,232	855
450,685	34,903	471,730	38,470	504,690	42,724	543,942	45,659	568,452	48,574	610,461	54,450

MASTER'S ENROLLMENT BY DISCIPLINE 2006–2015

MASTER'S ENROLLMENT	2006		2007		2008		2009	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	1,758	627	1,893	600	1,996	672	2,125	849
Architectural Engineering	104	40	100	27	107	30	139	21
Biological Eng. and Agricultural Eng.	309	55	343	48	395	59	438	48
Biomedical Engineering	1,795	595	1,781	674	1,890	678	1,911	693
Chemical Engineering	1,285	678	1,391	682	1,507	648	1,538	696
Civil Engineering	5,067	2,432	5,193	2,637	5,297	2,882	6,326	3,130
Civil/Environmental Engineering ¹	127	125	280	166	421	165	479	165
Computer Science (Inside Eng.)	6,240	4,595	7,311	4,397	7,161	4,507	7,274	4,675
Electrical/Computer Engineering	14,950	8,731	17,013	8,919	17,041	8,925	17,664	9,346
Engineering (General)	698	1,012	812	937	798	1,232	799	1,073
Engineering Management	1,390	3,235	1,755	3,330	2,172	3,051	2,430	3,397
Engr. Science and Engr. Physics	193	134	192	96	195	106	215	94
Environmental Engineering	767	507	718	451	787	481	990	514
Industr./Manuf./Systems Eng.	3,542	1,963	4,033	1,781	4,195	2,127	4,272	2,312
Mechanical Engineering	6,762	3,529	7,352	3,678	7,857	3,735	8,511	4,220
Metallurgical and Matrls. Eng.	904	303	965	325	1,019	357	1,144	360
Mining Engineering	72	43	83	40	93	29	90	36
Nuclear Engineering	422	100	443	156	449	152	460	176
Other Engineering Disciplines	3,421	4,369	3,629	4,757	4,104	4,780	4,409	5,518
Petroleum Engineering	362	194	429	156	532	183	634	211
TOTAL	50,168	33,267	55,716	33,857	58,016	34,799	61,848	37,534

2010		2011		2012		2013		2014		2015	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
2,396	952	2,505	1,038	2,341	937	2,239	953	2,381	1,016	2,356	1,125
198	29	198	55	231	73	229	61	206	50	157	55
464	88	461	95	415	109	394	97	423	74	398	101
2,265	701	2,440	717	2,398	796	2,545	756	2,854	800	2,986	784
1,794	709	1,827	720	1,824	643	2,099	681	2,176	755	2,466	888
6,888	3,414	6,914	3,600	6,790	3,526	6,854	3,415	7,067	3,375	7,034	3,521
491	200	549	194	896	366	940	447	924	310	915	343
7,873	4,727	8,187	4,831	8,778	4,652	10,942	4,822	13,652	5,300	15,005	5,620
16,975	9,485	16,626	8,695	17,392	8,292	20,463	8,070	23,652	8,641	24,279	9,204
798	1,433	915	1,346	733	895	1,009	717	947	641	764	618
2,376	3,327	2,347	3,137	2,678	2,934	2,865	2,908	3,071	3,226	3,579	3,422
194	131	248	106	206	98	199	80	190	68	216	90
1,121	574	1,152	624	1,189	668	1,235	687	1,147	686	1,200	652
4,156	2,399	3,860	2,553	4,053	2,603	4,389	2,831	5,012	2,577	5,753	2,785
8,856	4,582	8,632	4,693	8,690	4,691	9,669	4,720	10,848	4,836	11,701	5,061
1,253	316	1,293	405	1,326	448	1,389	456	1,488	521	1,679	589
83	17	120	23	101	62	124	33	150	57	129	56
509	201	581	197	463	241	424	170	437	193	423	178
4,634	5,818	4,770	6,166	5,155	6,655	5,538	5,998	5,989	5,634	7,214	6,377
683	225	672	265	763	260	823	363	945	380	798	398
64,007	39,328	64,297	39,460	66,422	38,949	74,369	38,265	83,559	39,140	89,052	41,867

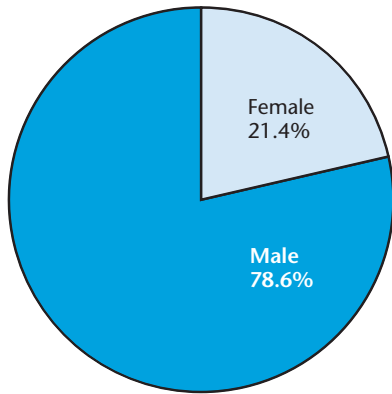
DOCTORAL ENROLLMENT BY DISCIPLINE 2006–2015

DOCTORAL ENROLLMENT	2006		2007		2008		2009	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	1,574	206	1,462	195	1,520	183	1,711	202
Architectural Engineering	24	1	20	7	34	2	49	4
Biological Eng. and Agricultural Eng.	459	48	476	48	526	63	591	64
Biomedical Engineering	4,054	357	4,305	363	4,518	376	4,863	426
Chemical Engineering	4,692	333	4,684	296	4,865	289	5,142	333
Civil Engineering	3,837	546	3,704	615	3,587	592	3,961	664
Civil/Environmental Engineering ¹	133	97	262	115	375	122	383	126
Computer Science (Inside Eng.)	5,452	894	5,367	940	5,527	781	5,855	906
Electrical/Computer Engineering	13,360	1,943	13,435	1,996	13,519	1,862	14,506	1,934
Engineering (General)	399	173	380	119	370	150	413	158
Engineering Management	88	152	102	159	95	162	112	225
Engr. Science and Engr. Physics	894	72	880	57	926	55	896	66
Environmental Engineering	649	120	771	100	706	122	779	105
Industr./Manuf./Systems Eng.	2,046	475	1,940	509	1,965	467	2,253	504
Mechanical Engineering	6,129	853	6,070	867	6,454	819	7,183	893
Metallurgical and Matrls. Eng.	3,035	267	3,384	236	3,419	248	3,597	218
Mining Engineering	51	20	78	27	64	13	71	12
Nuclear Engineering	538	51	598	49	623	44	660	45
Other Engineering Disciplines	2,540	788	2,764	670	2,982	656	3,058	641
Petroleum Engineering	171	40	221	47	289	80	364	40
TOTAL	50,125	7,436	50,903	7,415	52,364	7,086	56,447	7,566

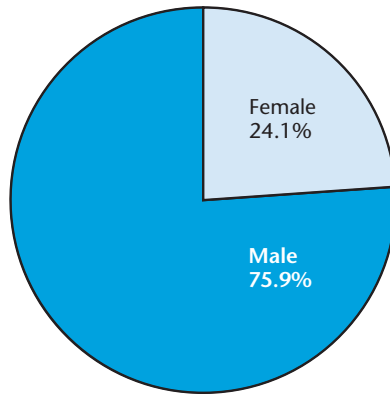
2010		2011		2012		2013		2014		2015	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
1,797	199	1,863	206	1,819	229	1,896	219	2,008	194	2,295	242
52	3	65	3	69	4	80	4	80	4	92	5
641	87	617	93	664	111	675	92	622	96	730	101
5,183	418	5,397	452	5,852	533	6,071	462	5,810	493	5,737	548
5,277	348	5,492	340	5,743	360	5,866	317	5,514	347	5,874	341
4,302	730	4,458	630	4,588	704	4,777	589	4,312	551	4,804	594
382	119	541	131	666	171	739	199	951	197	1,001	225
6,084	947	6,515	996	6,520	1,079	6,335	1,002	6,410	959	6,704	982
14,964	2,078	15,012	2,042	15,308	2,140	15,729	2,176	14,744	1,940	16,014	2,065
540	93	581	131	569	122	537	117	540	114	523	108
138	228	133	249	122	300	151	294	158	298	250	357
905	46	912	54	947	53	928	40	876	50	876	40
849	115	868	96	933	88	919	114	945	89	883	87
2,326	555	2,320	574	2,190	533	2,233	509	2,139	537	2,238	556
7,767	907	8,085	973	8,256	1,058	8,557	1,059	8,126	1,015	8,929	1,072
3,733	208	4,016	233	4,241	259	4,424	245	4,143	245	4,730	270
52	8	92	15	92	25	95	21	86	29	89	20
758	47	738	72	831	84	860	75	829	83	951	76
3,341	677	3,593	685	3,753	753	3,871	772	3,815	699	4,104	826
413	52	464	59	411	65	425	56	479	58	531	65
59,504	7,865	61,762	8,034	63,574	8,671	65,168	8,362	62,587	7,998	67,355	8,580

ENROLLMENT BY GENDER

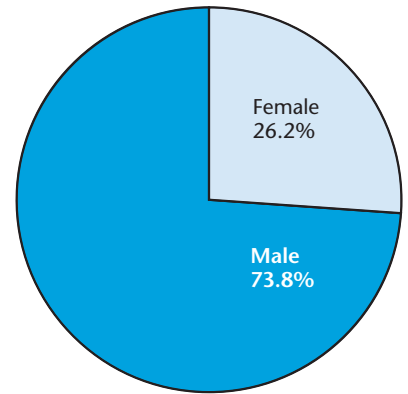
BACHELOR'S



MASTER'S

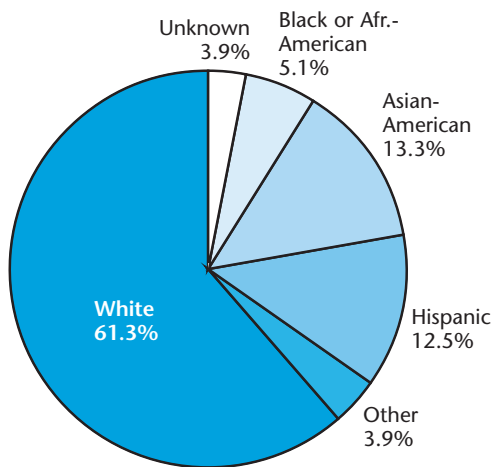


DOCTORAL

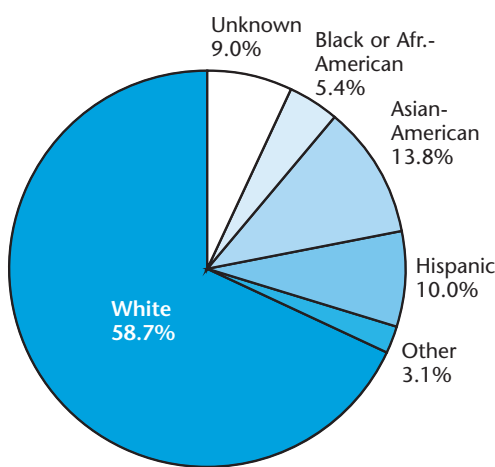


ENROLLMENT BY ETHNICITY*

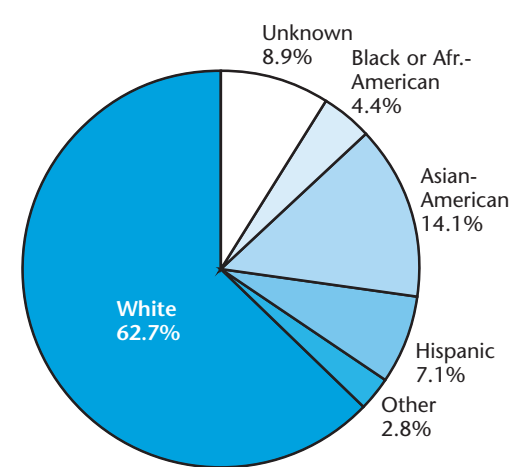
BACHELOR'S



MASTER'S



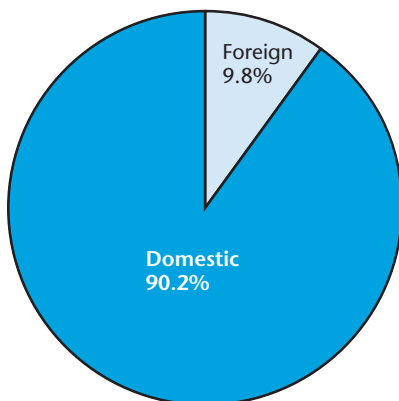
DOCTORAL



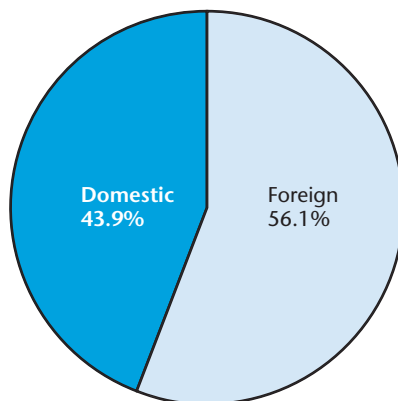
*Calculations for enrollment by ethnicity do not include foreign nationals.

ENROLLMENT BY RESIDENCY

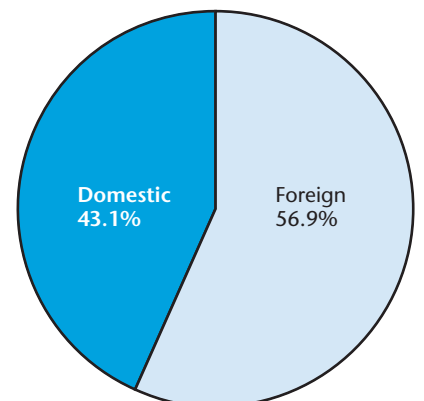
BACHELOR'S



MASTER'S



DOCTORAL



BACHELOR'S TOTAL*
610,461

MASTER'S TOTAL
130,919

DOCTORAL TOTAL
75,935

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

Forty-seven Canadian institutions are currently accredited by the Canadian Engineering Accreditation Board. Nine of those institutions participated in the 2015 ASEE Survey of Engineering Colleges. The data submitted by these institutions display similar trends as those seen at U.S. institutions.

ENGINEERING BACHELOR'S DEGREES AWARDED BY SCHOOL

1. University of Waterloo	1,194
2. University of Toronto	1,020
3. University of Alberta	804
4. Ecole Polytechnique de Montreal	790
5. McMaster University	572
6. University of Calgary	533
7. Concordia University, Montreal	486
8. University of Ottawa, Faculty of Eng.	414
9. The University of Western Ontario	293

ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL

1 Concordia University, Montreal	685
2 University of Ottawa, Faculty of Eng.	607
3 University of Toronto	579
4 University of Waterloo	480
5 Ecole Polytechnique de Montreal	311
6 The University of Western Ontario	262
7 University of Alberta	259
8 McMaster University	201
9 University of Calgary	139

ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL

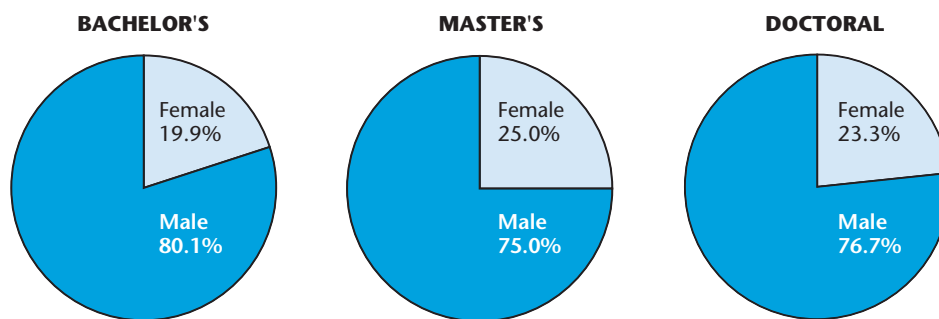
1. University of Waterloo	150
2. University of Toronto	143
3. Ecole Polytechnique de Montreal	114
4. University of Alberta	102
5. Concordia University, Montreal	61
6. The University of Western Ontario	58
7. McMaster University	49
8. University of Calgary	47
9. University of Ottawa, Faculty of Eng.	35

RESEARCH EXPENDITURES BY SCHOOL

(IN MILLIONS)

1 University of Alberta	\$68.6
2 University of Calgary	\$34.6
3 The University of Western Ontario	\$16.0
4 Concordia University-Montreal	\$15.9
5 University of Ottawa, Faculty of Eng.	\$15.3

ENGINEERING DEGREES AWARDED BY GENDER



TENURED/TENURE-TRACK FACULTY MEMBERS BY SCHOOL

1 University of Waterloo	259
2 Ecole Polytechnique de Montreal	232
3 University of Toronto	224
4 University of Alberta	190
5 Concordia University-Montreal	163
6 McMaster University	153
7 University of Calgary	140
8 University of Ottawa, Faculty of Eng.	119
9 The University of Western Ontario	92

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

