

ENGINEERING BY THE NUMBERS

BY BRIAN L. YODER, PH.D.

BACHELOR'S DEGREES AND ENROLLMENT

Engineering bachelor's degrees grew by 6 percent during the past year, reaching a total of 93,360 for 2013. This continues a decade-long increase in bachelor's degrees, which have climbed 28 percent since 2004. With enrollment up by almost 8 percent between 2012 and 2013, growth in degrees is expected to continue. Within college populations, sophomore and junior engineering classes showed the largest enrollment growth, each rising 9 percent over 2012. As occurred in 2012, smaller engineering disciplines showed some of the largest percentage increases in degrees awarded. Civil/Environmental Engineering, with 953 bachelor's degrees awarded in 2013, saw a 27 percent increase over 2012, and Engineering (General) with 1,554 bachelor's degrees awarded, saw a 30 percent increase.

A few disciplines saw a decline in the number of bachelor's degrees awarded in 2013 over 2012. Architectural Engineering had the sharpest drop, 14 percent, followed by Engineering Science and Engineering Physics, 7 percent; Engineering Management, 4 percent; and Aerospace Engineering, 2 percent. Aerospace Engineering and Engineering Science and Engineering Physics should see continued decreases in graduates in the near future, since their enrollment fell by 1 percent and 3 percent, respectively, between 2012 and 2013.

Of the many disciplines showing healthy gains in enrollment between 2012 and 2013, Petroleum Engineering saw the largest undergraduate increase, 23 percent. Also growing were Biological Engineering and Agricultural Engineering, Biomedical Engineering, Chemical Engineering, Civil/Environmental Engineering, Computer Science (inside engineering), Electrical/Computer Engineering, Engineering (General), Engineering Management Industrial/Manufacturing Engineering, Mechanical Engineering, Metallurgical and Materials Engineering, and Mining Engineering. All of these saw enrollment gains of 7 percent to 15 percent.

MASTER'S DEGREES AND ENROLLMENT

Master's degrees inched up less than 1 percent in 2013, compared with the previous year, but nonetheless reached an all-time high of 49,483, representing a 20 percent increase since 2004. However, as with bachelor's degrees, Aerospace Engineering and Architectural Engineering ran counter to the upward trend in master's degrees, falling by 10 percent and 9 percent, respectively. Both also experienced drops in enrollment of 3 percent and 5 percent, respectively.

Fall 2013 master's enrollment stood at 112,634, 6 percent above the previous year and a substantial increase over growth rates of less than 2 percent from 2011 to 2012 and of less than 1 percent from 2010 to 2011. Master's enrollment gains are attributed to an increase in the full-time student population, which swelled by 12 percent over 2012. The number of part-time master's degree students dropped by 2 percent during the same period. Much of the increase came from a jump in full-time students studying Computer Science and Electrical/Computer Engineering. Computer Science (inside engineering) saw a 20 percent increase in enrollment of full-time master's degree students over last year and Electrical/Computer Engineering saw a 15 percent increase.

DOCTORAL DEGREES AND ENROLLMENT

Doctoral degrees increased by 7 percent over 2012, reaching a new high. The 2013 mark of 10,764 represents a 63 percent increase in engineering doctorates since 2004. Doctorates should continue to increase since enrollment is rising – by 3 percent between 2012 and 2013, and

15 percent since 2009. The largest increases in doctoral degrees were in the disciplines of Engineering Management, which saw a 45 percent increase in 2013 over 2012, and Mining Engineering, which saw a 144 percent increase in the same period.

ENGINEERING STUDENTS FROM OTHER COUNTRIES

Nonresident aliens increased their share of engineering bachelor's degrees for the fourth consecutive year, reaching 7.8 percent in 2013. After a decline in the percentage of nonresident aliens receiving a degree at the master's and doctoral levels in 2012, their share of degrees grew in 2013 to 45.3 percent and 55.1 percent, respectively.

FEMALE ENGINEERING STUDENTS

Women received a higher percentage of engineering bachelor's degrees again, for the fifth straight year, climbing from 17.8 percent in 2009 to 19.1 percent in 2013. Based on enrollment trends, we expect to see the percentage of women receiving an engineering bachelor's degree to increase slightly over the next few years. The percentage of female engineering master's degrees also rose in 2013, with 23.9 percent of all master's degrees going to women. While an all-time high, this represents just a two-percentage-point increase over 2004, and continues a stable trend of the last 10 years. Women took 22.4 percent of doctoral degrees, a slight increase over 2012, but in the decade since 2004 have seen their share grow by almost 5 percent. Based on enrollment trends, we can expect the percentage of doctoral degrees awarded to females to remain about the same over the next few years.

FACULTY

Women comprised 14.5 percent of tenured and tenure-track faculty as of fall 2012, continuing a slow increase since 2001, when they represented 8.9 percent. The percentage of women who are full professors increased from 8.9 percent in 2012 to 9.4 percent in 2013. Female associate professors increased from 16.2 percent in 2012 to 17.0 percent in 2013, but women who are assistant professors remained the same at 22.8. The percentage of African American tenured and tenure-track faculty decreased slightly from 2.7 percent in 2012 to 2.6 percent in 2013. Asian tenured and tenure-track faculty increased from 24.6 percent to 25.2 percent, while Hispanic tenured and tenure-track faculty decreased from 3.9 percent to 3.6 percent. American Indian and Hawaiian/Pacific Islanders, tenured and tenure-track, fluctuated by a just few faculty members.

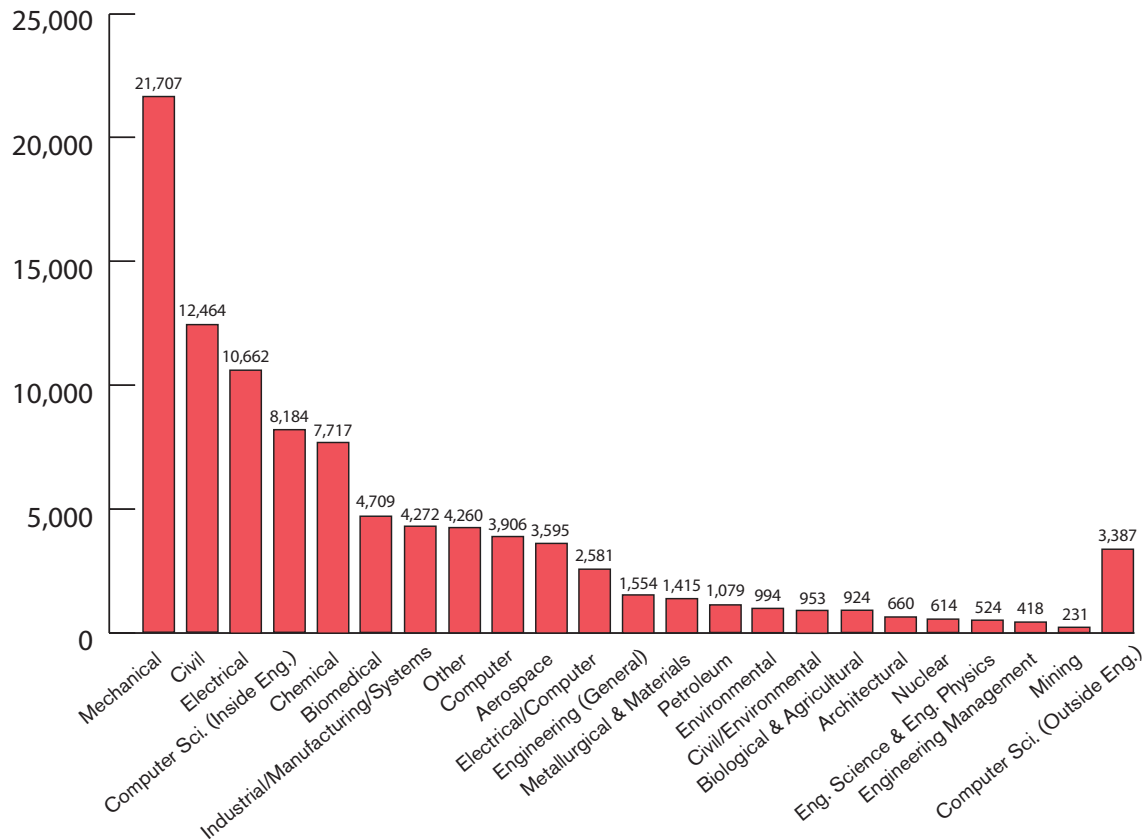
More detailed data for 358 U.S. and 12 Canadian engineering colleges can be found in the following pages of the *2013 Profiles of Engineering and Engineering Technology Colleges* or online at www.asee.org/colleges.

MORE DATA

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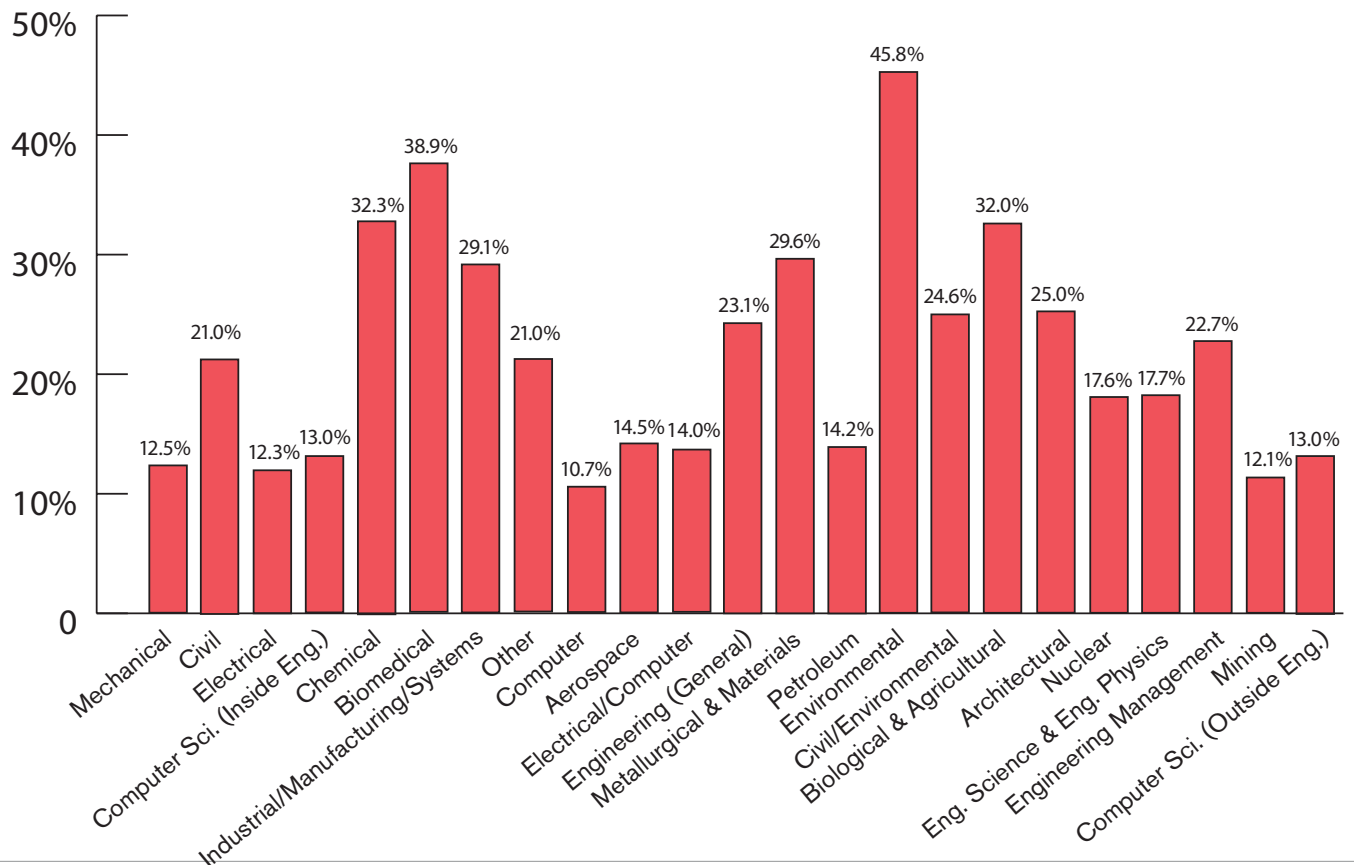
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BACHELOR'S DEGREES AWARDED BY ENGINEERING DISCIPLINE: 93,423*



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

PERCENTAGE OF BACHELOR'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 19.1% OF TOTAL

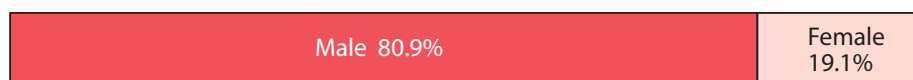


ENGINEERING BACHELOR'S DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	1,823
2. Pennsylvania State University	1,653
3. Univ. of Illinois, Urbana-Champaign	1,604
4. Purdue University	1,405
5. Texas A&M University	1,394
6. Virginia Tech	1,331
7. University of Michigan	1,299
8. North Carolina State University	1,283
9. The Ohio State University	1,126
10. University of Texas, Austin	1,100
11. University of California, Berkeley	1,079
12. California Poly. State U., SLO	1,070
13. University of California, San Diego	1,057
14. University of Florida	1,030
15. Iowa State University	1,013
16. University of Central Florida	1,002
17. University of Minnesota, Twin Cities	973
18. Arizona State University	921
19. University of Washington	843
20. University of Maryland, College Park	832
21. Colorado School of Mines	814
22. Missouri Univ. of Science and Tech.	803
23. Rensselaer Polytechnic Institute	749
24. California State Poly. U., Pomona	739
25. Cornell University	722
26. Clemson University	693
27. University of Wisconsin, Madison	692
28. University of California, Los Angeles	682
29. SUNY, Buffalo	678
30. Oregon State University	676
31. Rutgers University	654
32. Massachusetts Inst. of Technology	647
33. Michigan Technological University	644
33. Texas Tech University	644
35. University of Colorado, Boulder	642
36. Louisiana State University	623
37. Florida International University	612
38. University of California, Davis	600
38. Stony Brook University	600
40. Worcester Polytechnic Institute	584
41. University of Virginia	561
42. University of South Florida	553
43. University of Southern California	551
44. Auburn University	548
45. Michigan State University	542
46. University of California, Irvine	539
47. George Mason University	529
48. Drexel University	523
49. University of Puerto Rico, Mayaguez	521
50. West Virginia University	520

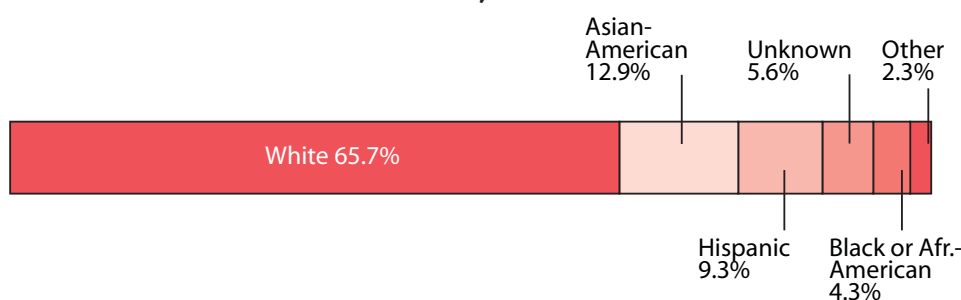
357 schools reported.

BACHELOR'S DEGREES BY GENDER, 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012
Female	20.3%	19.5%	19.3%	18.1%	18.0%	17.8%	18.1%	18.4%	18.9%
Male	79.7%	80.5%	80.7%	81.9%	82.0%	82.2%	81.9%	81.6%	81.1%

BACHELOR'S DEGREES BY ETHNICITY, 2013*



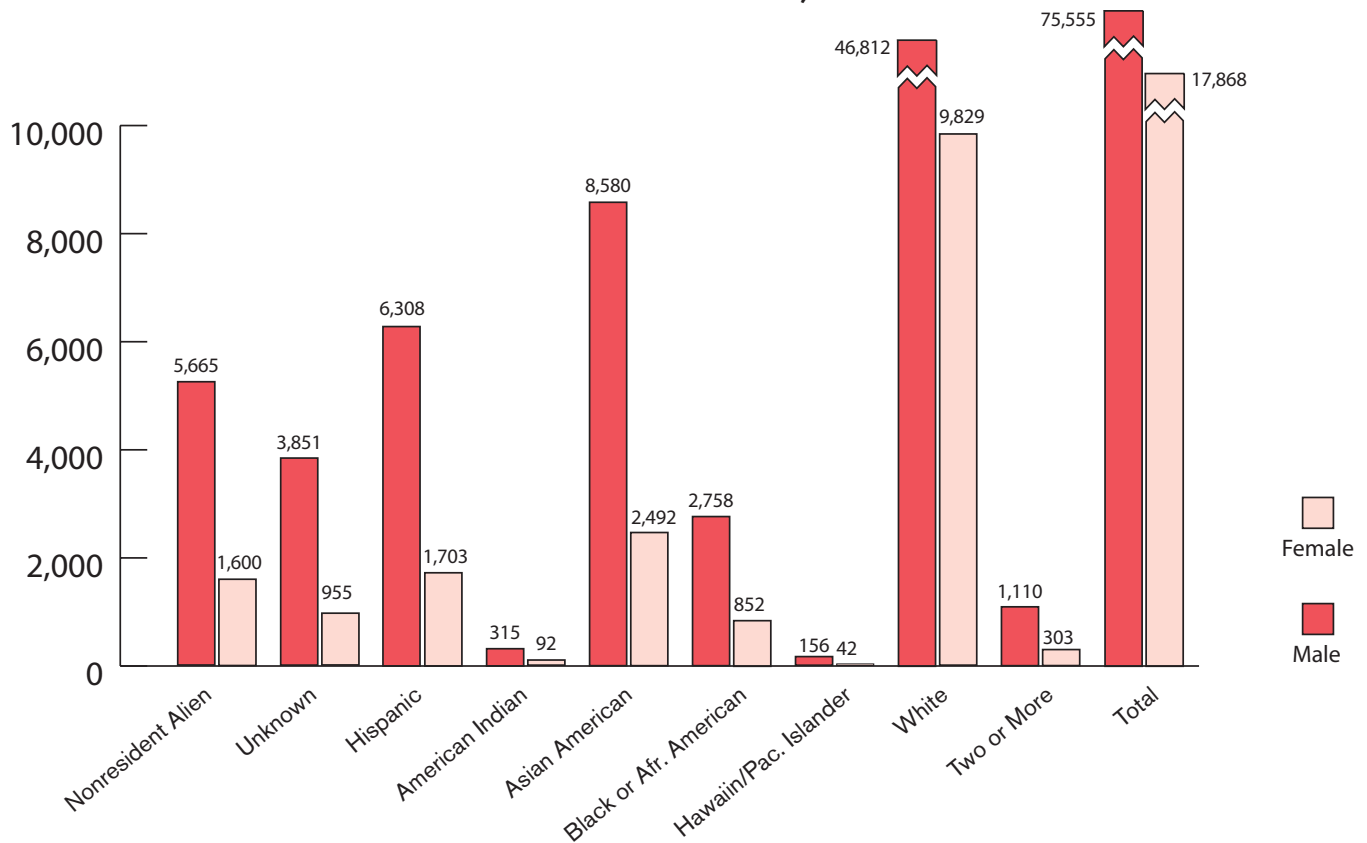
	2004	2005	2006	2007	2008	2009	2010	2011	2012
Black or African American	5.1%	5.3%	5.0%	4.9%	4.7%	4.6%	4.5%	4.2%	4.2%
Hispanic	5.6%	5.8%	6.0%	6.2%	6.5%	6.6%	7.0%	8.5%	9.0%
Other	8.0%	8.6%	8.5%	8.3%	8.9%	11.0%	1.2%	1.6%	2.0%
Asian American	14.2%	14.1%	13.8%	13.3%	13.0%	12.4%	12.2%	12.2%	12.2%
White	67.1%	66.2%	66.7%	67.3%	66.9%	65.4%	69.8%	66.6%	66.2%
Unknown							5.3%	6.9%	6.5%

*American Indians (0.4%), Hawaiian/Pacific Islanders (0.2%) and two or more (1.4%) are combined under other.

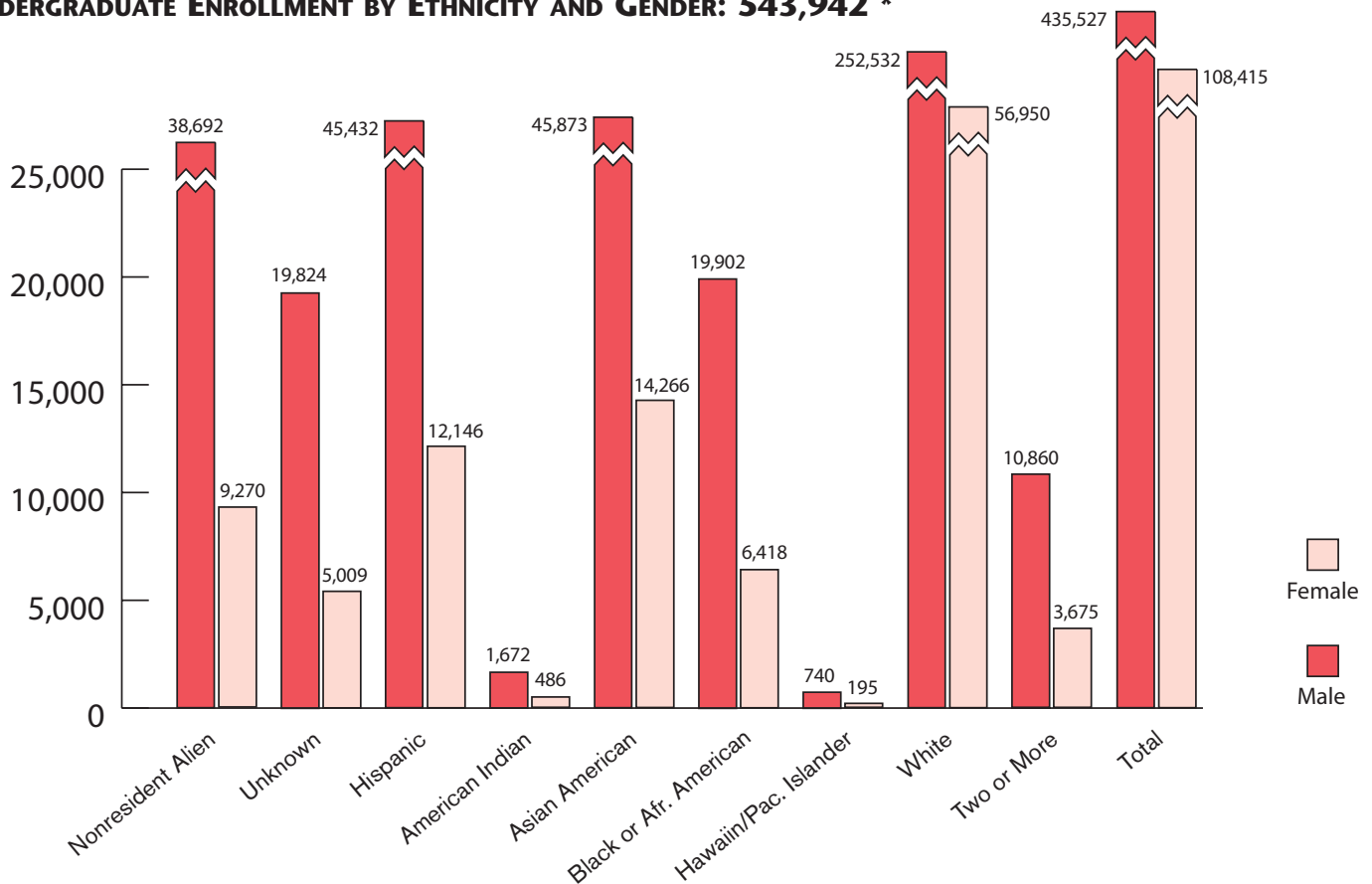
BACHELOR'S DEGREES BY RESIDENCY, 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012
Nonresident Alien	7.8%	7.5%	7.2%	6.7%	6.0%	6.0%	6.2%	6.7%	7.5%
Permanent Resident	92.2%	92.5%	92.8%	93.3%	94.0%	94.0%	93.8%	93.3%	92.5%

BACHELOR'S DEGREES AWARDED BY ETHNICITY AND GENDER: 93,423*

* Includes 697 male and 263 female graduates from schools in Puerto Rico. Also includes 3 institutions that counted virtually all permanent residents in the "unknown" category.

UNDERGRADUATE ENROLLMENT BY ETHNICITY AND GENDER: 543,942 *

* Includes 3,967 male and 1,455 female enrolled students from schools in Puerto Rico. Enrollment is for full-time students. Also includes 3 institutions that counted virtually all permanent residents in the "unknown" category.

BACHELOR'S DEGREES AWARDED TO WOMEN BY SCHOOL

1. Georgia Institute of Technology	415
2. Texas A&M University	295
3. Purdue University	289
3. University of Michigan	289
5. Univ. of Illinois, Urbana-Champaign	282
6. Massachusetts Inst. of Technology	278
7. Pennsylvania State University	261
8. Colorado School of Mines	254
9. Cornell University	248
10. University of California, San Diego	234
11. University of Texas, Austin	233
11. Virginia Tech	233
13. University of Florida	228
14. University of California, Berkeley	217
15. North Carolina State University	210
16. The Ohio State University	197
17. Missouri Univ. of Science and Tech.	185
18. University of Virginia	184
19. University of Washington	183
20. University of Puerto Rico, Mayaguez	182
21. Rensselaer Polytechnic Institute	178
22. California Poly. State U., SLO	177
23. Iowa State University	167
24. University of Maryland, College Park	166
25. Worcester Polytechnic Institute	162
26. University of Central Florida	159
27. Arizona State University	145
27. University of Southern California	145
29. University of Minnesota, Twin Cities	143
30. University of Wisconsin, Madison	140
31. Columbia University	139
32. Stanford University	137
33. University of California, Los Angeles	131
34. University of Colorado, Boulder	128
34. Michigan Technological University	128
34. Stony Brook University	128
37. University of California, Irvine	126
37. Carnegie Mellon University	126
39. Clemson University	123
40. The Johns Hopkins University	120
41. Drexel University	119
42. SUNY, Buffalo	118
43. University of California, Davis	114
44. University of Pennsylvania	113
45. Rutgers University	111
46. California State Poly. U., Pomona	110
47. Lehigh University	101
47. William Marsh Rice University	101
49. University of Pittsburgh	100
50. Oregon State University	99

357 schools reported.

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

1. The Cooper Union	72.3%
2. Massachusetts Inst. of Technology	43.0%
3. Princeton University	37.6%
4. California Institute of Technology	37.0%
5. University of Puerto Rico, Mayaguez	35.0%
5. William Marsh Rice University	35.0%
7. Cornell University	34.3%
8. Carnegie Mellon University	33.2%
9. Harvard University	33.0%
10. University of Virginia	32.8%
11. Columbia University	32.3%
12. The Johns Hopkins University	32.0%
13. Vanderbilt University	31.5%
13. Colorado School of Mines	31.2%
15. Villanova University	30.7%
15. Southern Methodist University	30.7%
17. Stanford University	30.5%
18. University of Pennsylvania	30.0%
19. Dartmouth College	29.9%
20. Boston University	28.2%

*Minimum of 50 total bachelor's degrees awarded.
121 schools fit this criterion.

BACHELOR'S DEGREES AWARDED TO BLACK OR AFRICAN-AMERICANS BY SCHOOL

1. North Carolina A&T State Univ.	162
2. Georgia Institute of Technology	109
3. Morgan State University	88
4. Prairie View A&M University	74
5. North Carolina State University	71
6. Florida International University	61
7. Alabama A&M University	58
7. University of Central Florida	58
9. University of Florida	57
10. Massachusetts Inst. of Technology	54
11. Southern Univ. and A&M College	53
12. FAMU-FSU College of Engineering	48
13. Virginia Tech	47
14. University of South Florida	46
15. University of Maryland, College Park	42
16. Tuskegee University	39
17. Louisiana State University	38
17. Wayne State University	38
17. Tennessee State University	38
17. Texas A&M University	38

357 schools reported.

BACHELOR'S DEGREES AWARDED TO ASIAN-AMERICANS BY SCHOOL

1. University of California, Berkeley	576
2. University of California, San Diego	488
3. University of California, Los Angeles	353
4. Georgia Institute of Technology	328
5. University of California, Davis	286
6. University of Texas, Austin	268
7. Univ. of Illinois, Urbana-Champaign	256
8. University of Washington	229
9. California State Poly. U., Pomona	227
10. Rutgers University	217
11. Stony Brook University	187
12. Cornell University	175
13. California Poly. State U., SLO	173
14. San Jose State University	172
15. George Mason University	162
16. University of Maryland, College Park	161
17. Massachusetts Inst. of Technology	153
18. University of Michigan	152
19. University of Southern California	140
20. University of Florida	129

357 schools reported.

BACHELOR'S DEGREES AWARDED TO HISPANICS BY SCHOOL

1. University of Puerto Rico	521
2. Florida International University	385
3. Polytechnic Univ. of Puerto Rico	359
4. University of Texas, El Paso	236
5. California State Poly. U., Pomona	210
6. Texas A&M University	203
7. University of Central Florida	196
8. University of Florida	178
9. Arizona State University	151
10. University of Texas, Austin	149
11. University of Texas, Pan American	147
12. University of California, San Diego	130
13. University of Texas, San Antonio	120
14. California Poly. State U., SLO	115
15. Georgia Institute of Technology	100
15. Texas A&M University, Kingsville	100
17. University of Houston	95
18. University of South Florida	93
18. Texas Tech University	93
20. Massachusetts Inst. of Technology	90

357 schools reported.

AEROSPACE ENGINEERING DEGREES AWARDED BY SCHOOL

1. Embry Riddle Aero. U., Daytona Beach	194
2. Georgia Institute of Technology	170
3. Purdue University	155
4. Virginia Tech	117
5. U.S. Air Force Academy	113
6. University of Texas, Austin	107
7. University of Michigan	106
8. California Poly. State U., SLO	98
9. University of Florida	97
10. University of Maryland, College Park	95
11. Pennsylvania State University	88
12. Iowa State University	85
13. Embry Riddle Aero. U., Prescott	83
14. University of Central Florida	82
15. Rensselaer Polytechnic Institute	80
16. Texas A&M University	78
17. U.S. Naval Academy	74
18. New Mexico State University	71
19. Univ. of Illinois, Urbana-Champaign	70
20. University of California, San Diego	69

65 schools reported.

BIOMEDICAL ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of California, San Diego	176
2. Georgia Institute of Technology	175
3. Duke University	126
4. California Poly. State U., SLO	119
5. Johns Hopkins University	116
6. University of California, Berkeley	109
7. Boston University	107
8. University of Texas, Austin	100
9. University of California, Irvine	97
10. University of Pennsylvania	96
11. Case Western Reserve University	92
12. Rensselaer Polytechnic Institute	89
13. Worcester Polytechnic Institute	88
14. Arizona State University	84
15. Washington University in St. Louis	82
16. Rutgers University	78
17. University of Connecticut	74
17. University of Maryland, College Park	74
19. Vanderbilt University	72
20. University of Minnesota, Twin Cities	70
20. University of Virginia	70

103 schools reported.

CHEMICAL ENGINEERING DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	158
2. University of Texas, Austin	157
3. Pennsylvania State University	147
4. North Carolina State University	146
4. Texas A&M University	146
6. Purdue University	138
7. University of Michigan	131
8. The Ohio State University	118
9. University of Puerto Rico, Mayaguez	116
10. Iowa State University	113
11. Colorado School of Mines	110
12. University of Minnesota, Twin Cities	106
13. University of Florida	103
13. Virginia Tech	103
15. Cornell University	98
16. Univ. of Illinois, Urbana-Champaign	97
17. University of Wisconsin, Madison	95
18. Brigham Young University	88
19. University of California, Los Angeles	85
19. University of Colorado Boulder	85
21. University of California, Berkeley	80
21. Univ. of Massachusetts, Amherst	80
23. University of California, San Diego	75
24. University of Pittsburgh	74
25. Rensselaer Polytechnic Institute	73
26. University of Oklahoma	73
27. Oregon State University	72
28. Arizona State University	71
28. Michigan Technological University	71
28. Rutgers University	71
28. Carnegie Mellon University	71
28. Villanova University	71
33. University of California, Davis	69
33. University of Notre Dame	69
33. Worcester Polytechnic Institute	69
36. SUNY, Buffalo	68
37. University of Cincinnati	67
38. Louisiana State University	66
38. Massachusetts Inst. of Technology	66
40. University of Arizona	65
40. The Johns Hopkins University	65
42. University of Alabama	63
42. Univ. of California, Santa Barbara	63
42. Texas Tech University	63
45. University of South Florida	62
46. University of Maryland, College Park	60
47. Missouri Univ. of Science and Tech.	58
47. University of Dayton	58
49. New Jersey Inst. of Technology	57
50. Auburn University	55
50. William Marsh Rice University	55
50. University of Virginia	55
50. University of Washington	55

161 schools reported.

CIVIL ENGINEERING DEGREES AWARDED BY SCHOOL

1. California State Poly. U., Pomona	235
2. Texas A&M University	228
3. Virginia Tech	197
4. Univ. of Illinois, Urbana-Champaign	192
5. Georgia Institute of Technology	191
6. Purdue University	181
7. Pennsylvania State University	168
8. University of California, Davis	164
9. Clemson University	154
10. University of Florida	151
11. California Poly. State U., SLO	148
12. North Carolina State University	147
13. University of Central Florida	144
14. Iowa State University	140
15. The Ohio State University	137
16. Missouri Univ. of Science and Tech.	136
17. University of California, San Diego	128
18. University of Minnesota, Twin Cities	125
19. University of Maryland, College Park	124
20. University of Wisconsin, Madison	120
21. SUNY, Buffalo	119
22. Michigan Technological University	117
22. University of Texas, Austin	117
24. Washington State University	113
25. University of Puerto Rico, Mayaguez	112
26. FAMU-FSU College of Engineering	111
27. University of California, Irvine	108
27. San Jose State University	108
27. University of Washington	108
30. Texas Tech University	106
31. University of Kentucky	103
31. Polytechnic Univ. of Puerto Rico	103
33. University of California, Berkeley	102
34. New Jersey Inst. of Technology	100
35. University of South Florida	99
35. Univ. of Massachusetts, Amherst	99
37. California State Univ., Sacramento	98
38. Florida International University	97
39. University of California, Los Angeles	95
39. Rutgers University	95
41. San Diego State University	94
42. Louisiana State University	93
43. Auburn University	91
43. University of Delaware	91
45. University of Alabama	90
45. University of Michigan	90
45. University of Nebraska, Lincoln	90
45. Manhattan College	90
49. University of Colorado, Boulder	89
50. Oregon State University	86
50. Brigham Young University	86

221 schools reported.

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

1. Georgia Institute of Technology	315
2. University of Michigan	193
3. Purdue University	174
4. Pennsylvania State University	164
5. Texas A&M University	152
6. SUNY, Binghamton	123
6. Virginia Tech	123
8. University of Florida	110
9. University of Wisconsin, Madison	86
10. Cornell University	84
11. The Ohio State University	83
12. Northwestern University	80
13. Clemson University	74
14. West Virginia University	73
15. California Poly. State U., SLO	68
16. University of Central Florida	67
16. University of Puerto Rico, Mayaguez	67
18. Iowa State University	63
19. University of Southern California	62
20. Oregon State University	59
21. Auburn University	55
22. Stanford University	54
23. Columbia University	53
24. University of Pittsburgh	51
25. University of California, Berkeley	48
25. Lamar University	48
27. Univ. of Illinois, Urbana-Champaign	46
28. North Dakota State University	44
28. Concordia University, Montreal	44
30. University of South Florida	43
30. North Carolina State University	43
32. University of Arizona	42
32. Rensselaer Polytechnic Institute	42
33. Northeastern University	40
34. Arizona State University	39
34. Kansas State University	39
34. Rutgers University	39
37. University of Texas, El Paso	38
38. University of Missouri	37
38. University of Texas, Arlington	37
38. University of Washington	37
39. Lehigh University	36
40. California State Poly. U., Pomona	34
41. University of Arkansas	33
42. Mississippi State University	32
42. Rochester Institute of Technology	32
42. University of Oklahoma	32
45. University of Iowa	31
46. University of Tennessee, Knoxville	30
47. San Jose State University	29
47. University of Miami	29
47. Southern Illinois University at Edwardsville	29
47. Texas Tech University	29

114 schools reported.

**MECHANICAL ENGINEERING
DEGREES AWARDED BY SCHOOL**

1. Georgia Institute of Technology	403
2. Pennsylvania State University	310
3. Virginia Tech	289
4. Purdue University	287
5. University of Maryland, College Park	250
6. Iowa State University	246
7. University of Texas, Austin	241
8. University of Florida	232
8. University of Minnesota, Twin Cities	232
10. University of Central Florida	225
11. University of California, San Diego	220
11. University of Michigan	220
13. Texas A&M University	218
14. Michigan Technological University	215
15. North Carolina State University	211
16. Texas Tech University	209
17. The Ohio State University	205
18. California Poly. State U., SLO	194
19. Univ. of Illinois, Urbana-Champaign	192
20. Rensselaer Polytechnic Institute	183
21. California State Poly. U., Pomona	179
22. Colorado School of Mines	174
22. Rutgers University	174
24. Worcester Polytechnic Institute	173
24. Missouri Univ. of Science and Tech.	173
26. SUNY, Buffalo	167
27. Kettering University	166
28. University of California, Berkeley	163
29. Northeastern University	162
30. Drexel University	159
31. Massachusetts Inst. of Technology	154
31. Rochester Institute of Technology	154
33. University of Wisconsin, Madison	153
34. Brigham Young University	148
35. Washington State University	147
36. University of California, Davis	146
36. Clemson University	146
38. University of Wisconsin, Platteville	133
39. University of Colorado Boulder	130
40. Michigan State University	128
40. Stevens Institute of Technology	128
42. University of Kentucky	127
43. Arizona State University	125
43. University of North Carolina, Charlotte	125
45. University of California, Irvine	124
46. University of Connecticut	122
47. University of Missouri	121
47. University of Utah	121
49. University of South Florida	120
50. University of Washington	119
50. West Virginia University	119

289 schools reported.

**ELECTRICAL ENGINEERING
DEGREES AWARDED BY SCHOOL**

1. Univ. of Illinois, Urbana-Champaign	241
2. Georgia Institute of Technology	238
3. Purdue University	183
4. University of Central Florida	157
4. Pennsylvania State University	157
6. University of California, Los Angeles	153
7. North Carolina State University	150
8. University of Washington	148
9. University of Minnesota, Twin Cities	140
10. California State Poly. U., Pomona	138
11. Texas A&M University	135
11. University of Texas, Dallas	135
13. University of Maryland, College Park	127
14. University of Michigan	125
15. University of California, San Diego	109
16. Virginia Tech	107
17. Iowa State University	104
18. California Poly. State U., SLO	101
19. Arizona State University	96
20. Polytechnic Univ. of Puerto Rico	93
20. University of Puerto Rico, Mayaguez	93
22. Missouri Univ. of Science and Tech.	90
23. Michigan Technological University	87
23. Rensselaer Polytechnic Institute	87
25. University of South Florida	86
25. Wayne State University	86
25. University of Texas, San Antonio	86
28. University of Texas, El Paso	84
29. Florida International University	83
29. City College of the CUNY	83
31. Michigan State University	82
31. Clemson University	82
33. University of Florida	80
34. SUNY, Buffalo	78
35. Rochester Institute of Technology	76
36. San Jose State University	72
37. University of California, Irvine	70
38. Auburn University	69
38. University of Illinois, Chicago	69
40. Northeastern University	66
40. University of Utah	66
42. University of California, Davis	65
43. University of Alabama, Huntsville	64
44. North Dakota State University	63
44. University of Texas, Arlington	63
44. Milwaukee School of Engineering	63
44. University of Wisconsin, Madison	63
48. University of Nebraska, Lincoln	62
49. Drexel University	61
50. University of Hawaii, Manoa	60

258 schools reported.

COMPUTER ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of California, Berkeley	145
2. Univ. of Illinois, Urbana-Champaign	113
3. North Carolina State University	107
4. Iowa State University	103
5. California Poly. State U., SLO	77
6. University of Central Florida	75
7. Georgia Institute of Technology	73
8. San Jose State University	65
9. Rochester Institute of Technology	64
10. University of Florida	63
10. Virginia Tech	63
12. Purdue University	61
12. University of Michigan	61
14. Rensselaer Polytechnic Institute	52
15. Arizona State University	51
16. University of South Florida	49
17. California State Poly. U., Pomona	48
17. University of Washington	48
19. Missouri Univ. of Science and Tech.	45
20. University of Minnesota, Twin Cities	44
21. University of California, Santa Barbara	43
21. University of Maryland, College Park	43
23. Pennsylvania State University	42
24. Santa Clara University	40
24. University of Pittsburgh	40
24. University of Wisconsin, Madison	40
27. University of California, Santa Cruz	39
28. Florida International University	36
29. Michigan Technological University	35
29. SUNY, Buffalo	35
31. University of Nebraska, Lincoln	34
31. Drexel University	34
33. University of Texas, Dallas	33
33. University of Virginia	33
35. San Diego State University	32
36. Florida Atlantic University	31
36. North Carolina A&T State Univ.	31
36. West Virginia University	31
39. New Jersey Inst. of Technology	30
40. University of Michigan, Dearborn	29
40. Milwaukee School of Engineering	29
42. Clemson University	28
43. University of South Carolina	27
44. University of Alabama, Huntsville	26
44. Boston University	26
44. SUNY, Binghamton	26
44. Wright State University	26
44. Polytechnic Univ. of Puerto Rico	26
49. Univ. of Maryland, Baltimore County	25
49. University of North Carolina, Charlotte	25
49. City College of the CUNY	25

189 schools reported.

ELECTRICAL/COMPUTER ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of California, Berkeley	326
2. University of Texas, Austin	232
3. The Ohio State University	171
4. Rutgers University	139
5. Carnegie Mellon University	124
6. Colorado School of Mines	99
7. New York Institute of Technology	95
8. Brigham Young University	93
9. Oregon State University	84
10. Massachusetts Inst. of Technology	80
11. Worcester Polytechnic Institute	77
12. Cornell University	69
13. Duke University	58
14. Southern Illinois University Carbondale	51
14. University of Akron	51
16. University of Iowa	45
17. Oklahoma State University	44
17. Temple University	44
19. Texas A&M University	43
20. University of Colorado, Boulder	41

53 schools reported.

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

1. Georgia Institute of Technology	245
2. University of Texas, Austin	231
3. University of Maryland, College Park	199
4. University of California, Irvine	189
5. New Jersey Inst. of Technology	171
6. Central Michigan University	162
7. Carnegie Mellon University	156
8. University of Wisconsin, Madison	135
9. Purdue University	126
10. Rochester Institute of Technology	115
11. Rutgers University	110
12. Duke University	107
13. University of California, Davis	96
13. Brigham Young University	96
15. Northeastern University	94
15. Rensselaer Polytechnic Institute	94
17. Univ. of Massachusetts, Amherst	82
18. University of Texas, San Antonio	66
19. Worcester Polytechnic Institute	60
20. University of Pittsburgh	57

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	257
2. Univ. of Illinois, Urbana-Champaign	217
3. University of Central Florida	213
4. Florida International University	193
5. University of California, Santa Cruz	179
5. Stony Brook University	179
7. North Carolina State University	169
8. University of Michigan	162
9. University of Minnesota, Twin Cities	154
10. The Ohio State University	149
11. University of Washington	141
12. Massachusetts Inst. of Technology	139
12. University of Texas, Dallas	139
14. Stanford University	131
15. Virginia Tech	128
16. University of Texas, Arlington	124
17. University of California, Los Angeles	114
17. Univ. of Maryland, Baltimore County	114
19. Cornell University	105
20. Arizona State University	102
21. University of Southern California	100
22. Florida Atlantic University	92
23. Texas A&M University	90
23. University of Utah	90
25. Oregon State University	89
26. University of Pennsylvania	83
27. University of South Florida	81
28. Michigan State University	80
29. University of Virginia	78
30. George Mason University	77
31. Univ. of California, Santa Barbara	73
32. Auburn University	72
32. Oakland University	72
32. Princeton University	72
32. SUNY, Buffalo	72
32. Pennsylvania State University	72
37. University of Missouri	71
38. University of North Texas	68
39. California Poly. State U., SLO	67
40. Portland State University	66
41. Wright State University	65
42. SUNY, Binghamton	64
43. California State U., Northridge	60
43. New York Institute of Technology	60
45. University of Colorado, Boulder	57
45. University of Connecticut	57
45. University of Kentucky	57
48. University of Michigan, Dearborn	56
49. Rose-Hulman Inst. of Technology	55
50. Clemson University	54

172 schools reported.

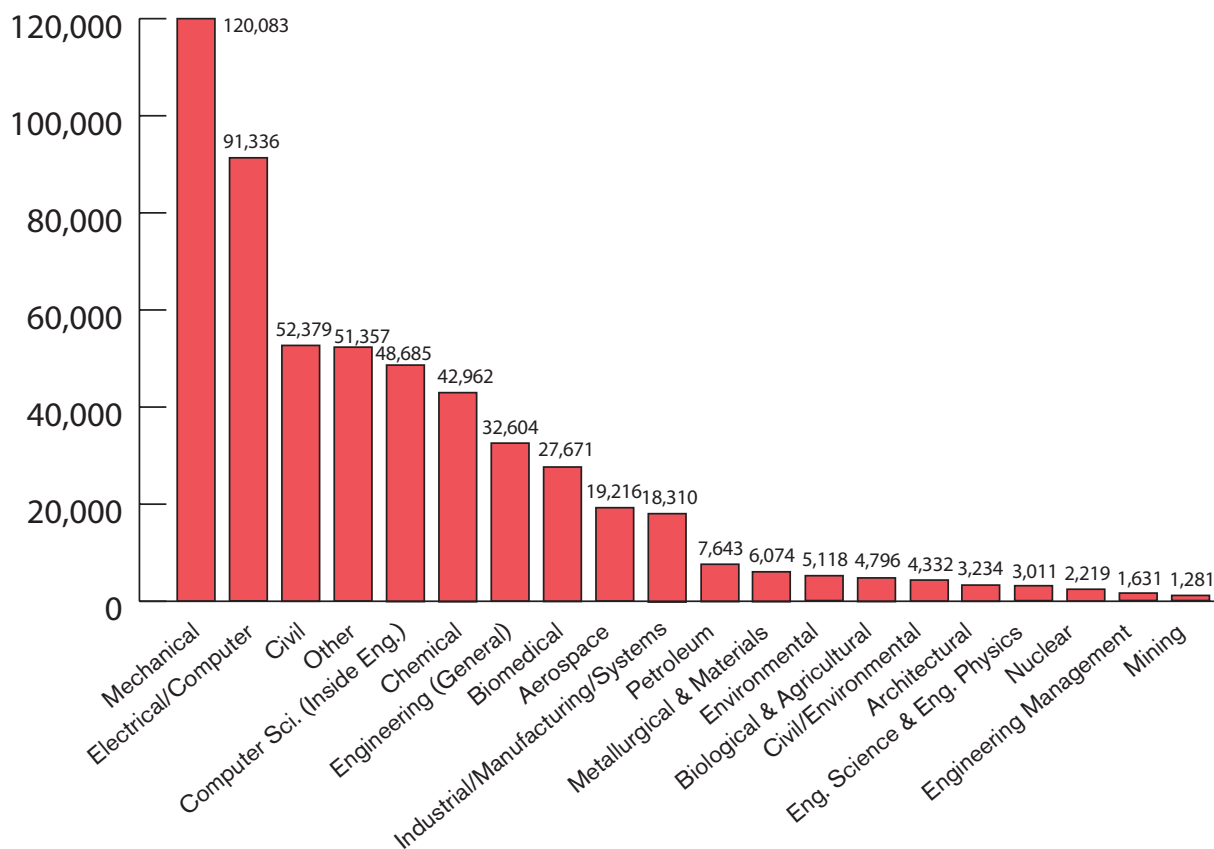
UNDERGRADUATE ENROLLMENT BY SCHOOL*

1. Pennsylvania State University	10,201	23. Missouri Univ. of Science and Tech.	4,508	45. Cornell University	3,339
2. Georgia Institute of Technology	9,278	24. Michigan State University	4,419	46. Kansas State University	3,327
3. Texas A&M University	8,390	25. University of Wisconsin, Madison	4,347	47. Washington State University	3,280
4. Univ. of Illinois, Urbana-Champaign	8,186	26. Auburn University	4,294	48. University of California, Irvine	3,235
5. Arizona State University	7,939	27. Colorado School of Mines	4,196	49. California State U., Northridge	3,209
6. Purdue University	7,742	28. Texas Tech University	4,175	50. Stanford University	3,204
7. The Ohio State University	7,730	29. University of Alabama	4,162	51. University of Utah	3,172
8. Iowa State University	7,272	30. University of California, Berkeley	4,019	52. University of California, Los Angeles	3,158
9. Virginia Tech	7,177	31. University of Minnesota, Twin Cities	3,999	53. Rensselaer Polytechnic Institute	3,126
10. University of Central Florida	7,004	32. Drexel University	3,946	54. University of Nebraska, Lincoln	3,120
11. University of California, San Diego	6,503	33. University of Maryland, College Park	3,834	55. SUNY, Buffalo	3,089
12. North Carolina State University	6,343	34. University of South Florida	3,739	56. University of Houston	3,083
13. University of Florida	5,990	35. University of Colorado Boulder	3,661	57. University of Texas, Arlington	3,057
14. University of Michigan	5,923	36. University of Puerto Rico, Mayaguez	3,659	58. Polytechnic Univ. of Puerto Rico	2,965
15. Oregon State University	5,846	37. San Jose State University	3,572	59. Rochester Institute of Technology	2,958
16. California Poly. State U., SLO	5,764	38. West Virginia University	3,532	60. Northeastern University	2,956
17. University of Texas, Austin	5,611	39. University of California, Davis	3,503	61. University of Arkansas	2,945
18. Louisiana State University	4,939	40. Michigan Technological University	3,457	62. Mississippi State University	2,932
19. Clemson University	4,887	41. Rutgers University	3,427	63. University of Kentucky	2,907
20. Florida International University	4,861	42. University of Oklahoma	3,425	64. University of Missouri	2,886
21. University of Washington	4,643	43. George Mason University	3,416	65. University of Wisconsin, Platteville	2,832
22. California State Poly. U., Pomona	4,561	44. California State Univ., Long Beach	3,383	66. University of Cincinnati	2,808

355 schools reported.

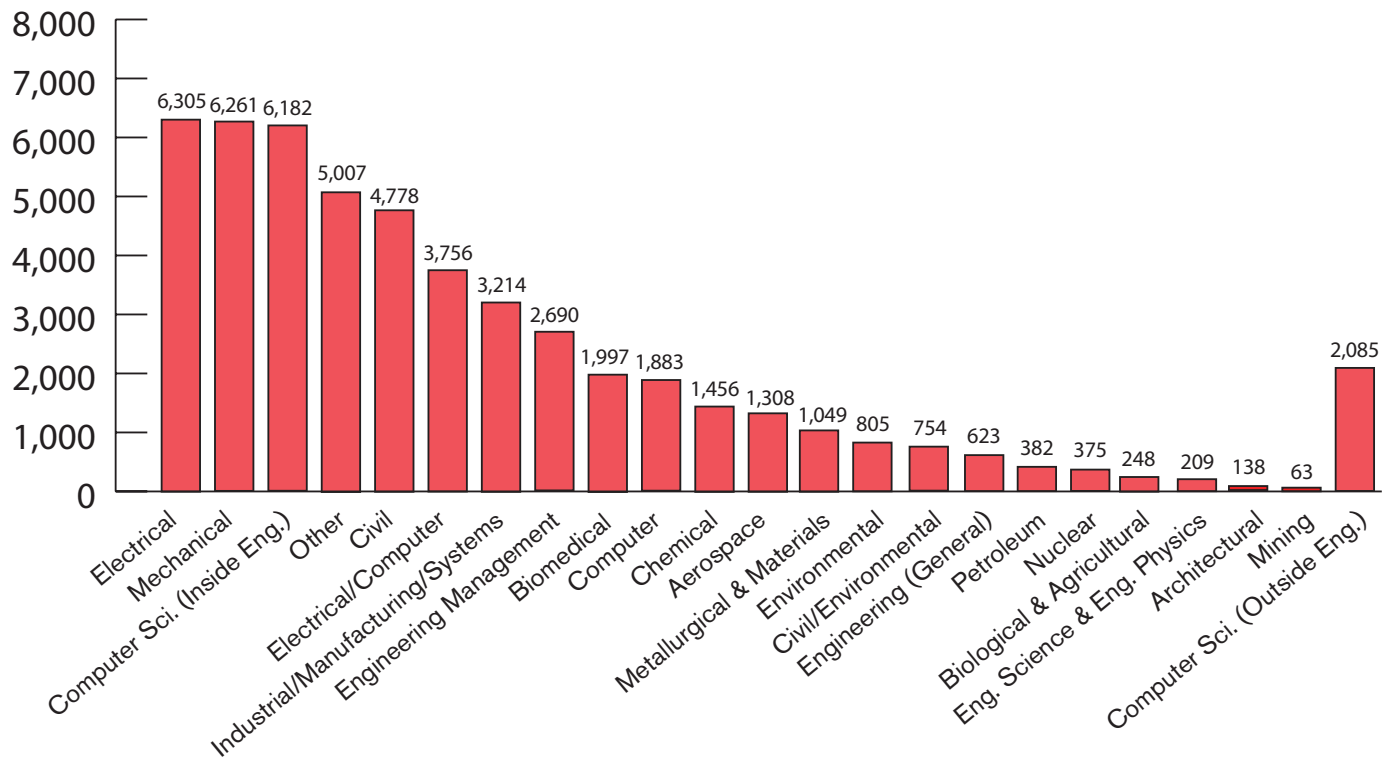
*Some schools do not permit formal enrollment in their engineering colleges until the second or third year. Enrollment is full-time plus part-time students.

UNDERGRADUATE ENROLLMENT BY DISCIPLINE: 543,942*



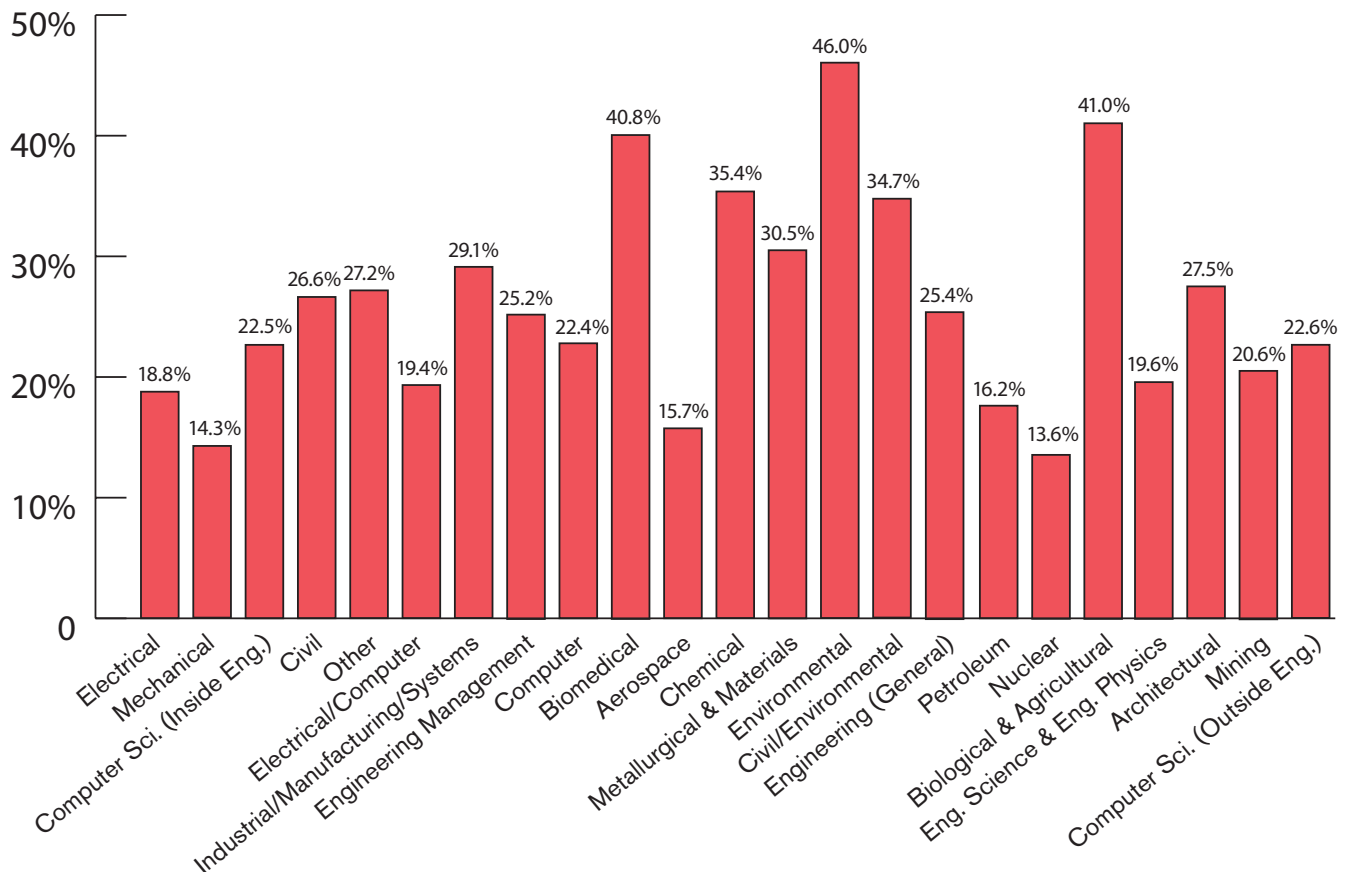
* Enrollment is for full-time bachelor's degree candidates in engineering. Total does not include Computer Science (outside engineering)

MASTER'S DEGREES AWARDED BY DISCIPLINE: 49,483 *



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

PERCENTAGE OF MASTER'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 23.9% OF TOTAL



ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL

1. University of Southern California	1,659
2. University of Michigan	1,115
3. Stanford University	1,099
4. Georgia Institute of Technology	1,051
5. University of Florida	995
6. Columbia University	988
7. The Johns Hopkins University	908
8. North Carolina State University	846
9. Cornell University	839
10. Polytechnic Institute of NYU	782
11. Massachusetts Inst. of Technology	772
12. Carnegie Mellon University	753
13. Arizona State University	734
14. Stevens Institute of Technology	704
15. George Washington University	675
16. San Jose State University	639
17. University of Pennsylvania	611
18. Univ. of Illinois, Urbana-Champaign	583
19. Texas A&M University	566
20. University of California, Los Angeles	545
21. University of Maryland, College Park	521
22. Purdue University	510
23. Missouri Univ. of Science and Tech.	504
24. Stony Brook University	499
25. University of Texas, Dallas	487
26. University of Colorado, Boulder	485
27. University of Washington	479
28. New Jersey Inst. of Technology	478
29. Northeastern University	476
30. George Mason University	475
31. Virginia Tech	456
32. Wayne State University	442
33. University of California, Berkeley	436
34. Northwestern University	434
35. University of Minnesota, Twin Cities	421
36. University of Texas, Arlington	420
37. University of California, San Diego	419
38. The Ohio State University	414
39. University of Wisconsin, Madison	401
40. University of Texas, Austin	392
41. Pennsylvania State University	386
42. SUNY, Buffalo	380
43. Colorado School of Mines	372
44. Illinois Institute of Technology	365
45. Clemson University	348
46. University of Central Florida	346
47. Southern Methodist University	325
48. Worcester Polytechnic Institute	321
49. Duke University	288
50. Florida International University	280

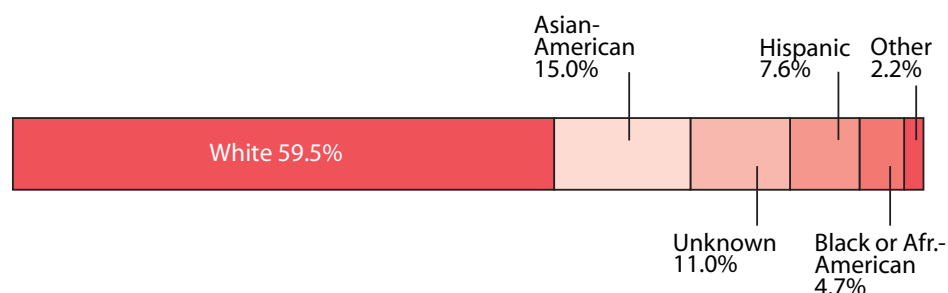
267 schools reported.

MASTER'S DEGREES BY GENDER, 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012
Female	21.9%	22.7%	22.5%	22.4%	23.0%	23.0%	22.6%	22.6%	23.1%
Male	78.1%	77.3%	77.5%	77.6%	77.0%	77.0%	77.4%	77.4%	76.9%

MASTER'S DEGREES BY ETHNICITY, 2013*



	2004	2005	2006	2007	2008	2009	2010	2011	2012
Black or African American	4.3%	4.6%	4.4%	4.6%	4.8%	4.7%	5.1%	4.9%	4.7%
Hispanic	4.5%	5.0%	4.7%	5.2%	5.4%	5.3%	6.0%	6.3%	7.3%
Other	14.1%	14.4%	15.7%	15.2%	15.1%	17.4%	1.4%	1.5%	2.0%
Asian American	16.8%	17.7%	16.5%	16.5%	15.4%	15.1%	14.9%	15.5%	14.5%
White	60.3%	58.3%	58.7%	58.5%	59.3%	57.5%	60.9%	58.2%	59.7%
Unknown							11.7%	13.6%	11.8%

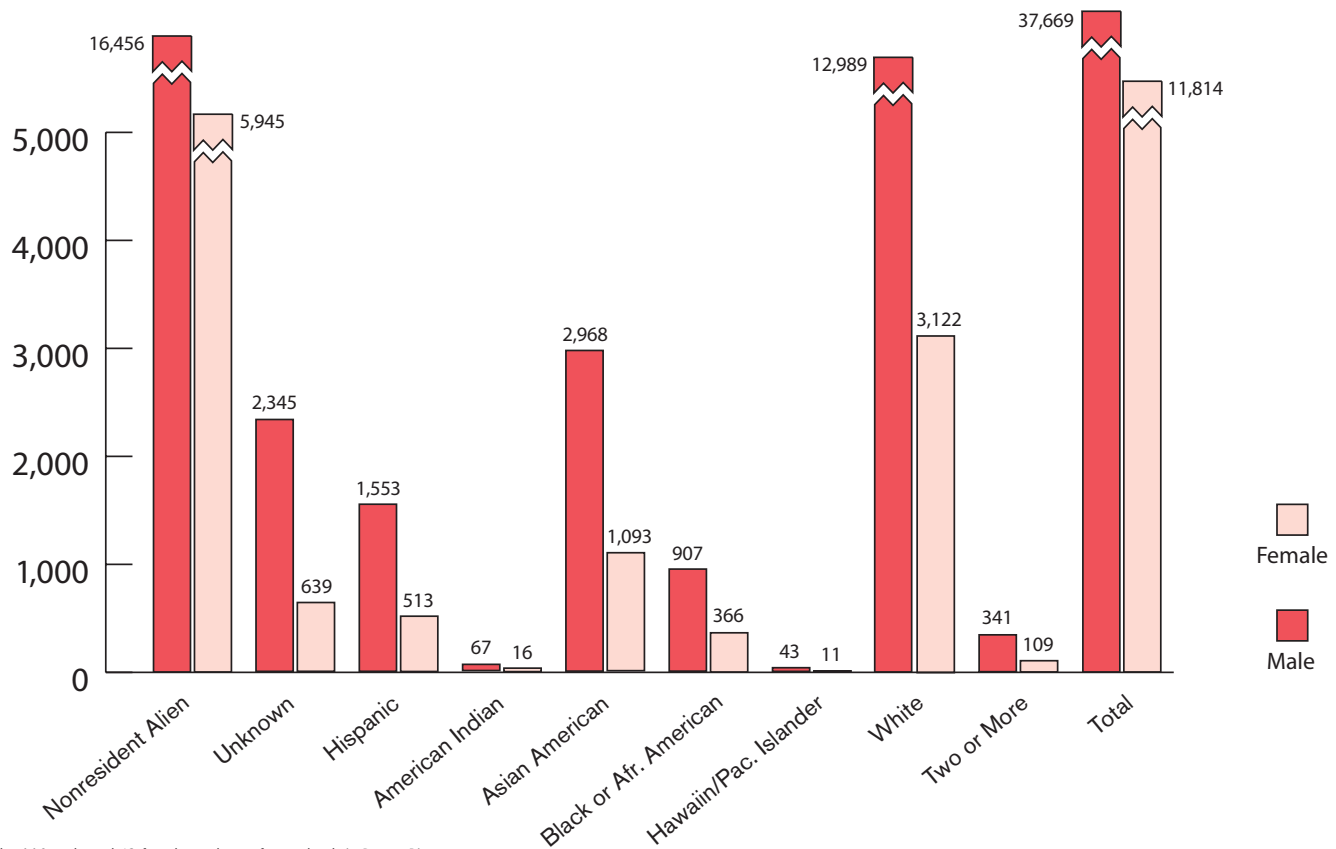
* Data on ethnicity does not include foreign nationals. American Indians (0.3%), Hawaiian/Pacific Islanders (0.2%) and two or more (1.7%) are combined under other.

MASTER'S DEGREES BY RESIDENCY, 2013

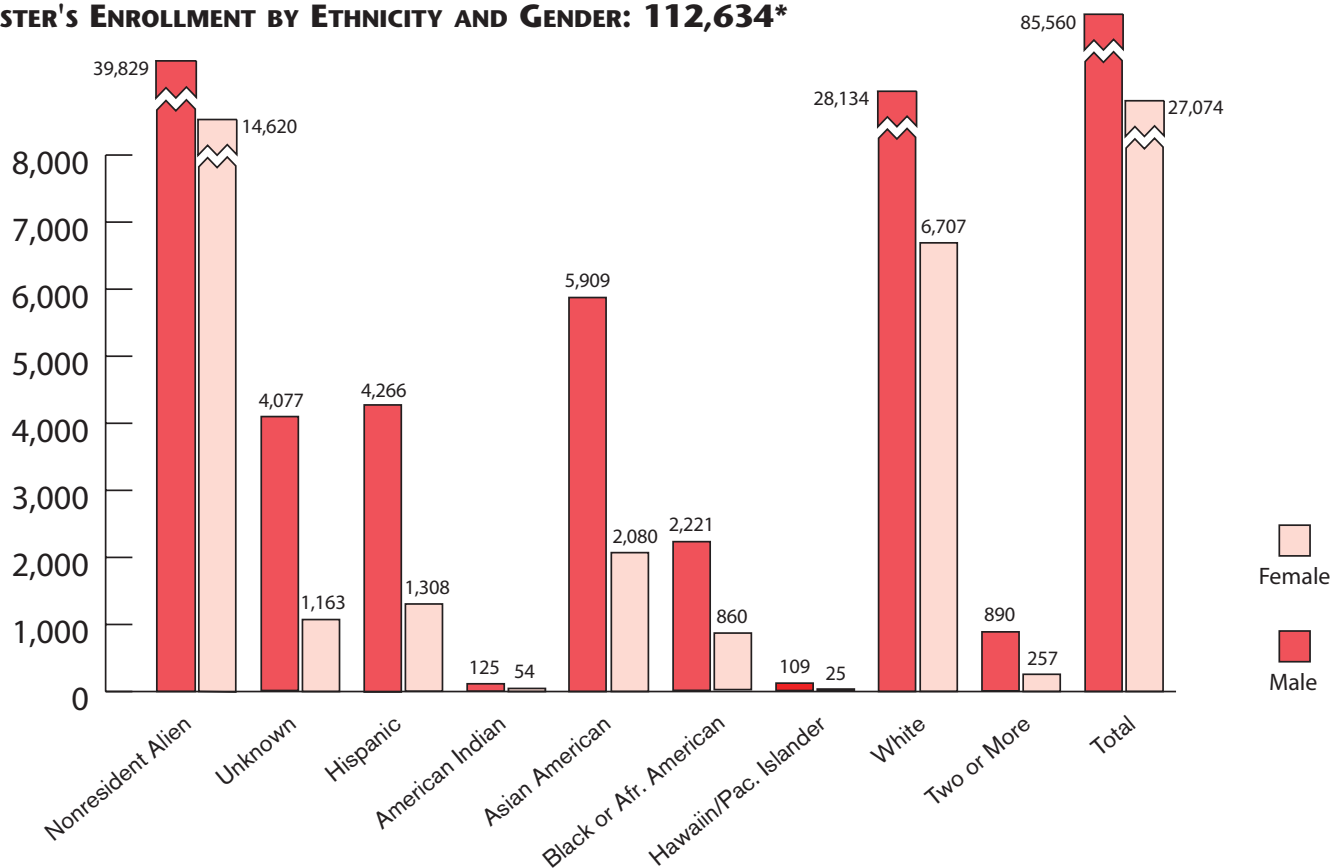


	2004	2005	2006	2007	2008	2009	2010	2011	2012
Nonresident Alien	45.5%	42.6%	39.8%	38.7%	41.7%	44.1%	46.1%	44.4%	43.3%
Permanent Resident	54.5%	57.4%	60.2%	61.3%	58.3%	55.9%	53.9%	55.6%	56.7%

MASTER'S DEGREES AWARDED BY ETHNICITY AND GENDER: 49,483*



MASTER'S ENROLLMENT BY ETHNICITY AND GENDER: 112,634*



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

1. San Jose State University	34.6%
2. Duke University	34.0%
3. Tufts University	33.9%
4. University of Pennsylvania	32.7%
5. University of California, Davis	31.7%
6. Cornell University	31.0%
7. Lehigh University	30.2%
8. Rutgers University	30.1%
8. Stony Brook University	30.1%
10. New Jersey Inst. of Technology	29.7%
11. University of California, Berkeley	29.6%
12. University of Kansas	29.5%
12. Northwestern University	29.5%
14. Portland State University	29.4%
14. Washington State University	29.4%
15. Illinois Institute of Technology	29.3%
15. Massachusetts Inst. of Technology	29.3%
18. Santa Clara University	28.6%
19. Univ. of Massachusetts, Amherst	28.4%
20. University of South Florida	28.0%

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

PERCENTAGE OF DOCTORAL DEGREES AWARDED TO WOMEN BY SCHOOL*

1. The University of Texas at El Paso	40.5%
2. University of Illinois at Chicago	37.5%
3. New Jersey Institute of Technology	36.8%
4. University of California, Riverside	36.2%
5. Vanderbilt University	35.8%
6. Univ. of Maryland, Baltimore County	35.7%
6. Yale University	35.1%
8. Auburn University	32.3%
9. Virginia Commonwealth University	32.1%
10. Michigan Technological University	31.9%
11. University of Washington	30.9%
12. University of Kentucky	30.6%
13. Drexel University	30.5%
14. City College of the CUNY	29.6%
14. George Mason University	29.6%
16. Colorado State University	29.5%
17. University of California, Irvine	29.3%
18. Case Western Reserve University	29.1%
19. University of Notre Dame	29.0%
20. University of South Florida	28.6%

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

GRADUATE ENROLLMENT BY SCHOOL*

1. University of Southern California	4,857
2. Georgia Institute of Technology	3,904
3. Stanford University	3,517
4. Johns Hopkins University	3,296
5. Arizona State University	3,282
6. University of Michigan	3,180
7. Massachusetts Inst. of Technology	3,174
8. Univ. of Illinois, Urbana-Champaign	3,154
9. Purdue University	3,085
9. Texas A&M University	3,066
11. North Carolina State University	2,929
12. Columbia University	2,827
13. University of Florida	2,633
14. Polytechnic Institute of NYU	2,365
15. Carnegie Mellon University	2,249
16. Virginia Tech	2,193
17. The University of Texas at Austin	2,160
18. University of Washington	2,139
19. The University of Texas at Dallas	2,096
20. University of California Berkeley	1,936
21. University of Minnesota -Twin Cities	1,928
22. University of Maryland College Park	1,922
23. Northeastern University	1,888
24. San Jose State University	1,886
25. University of California Los Angeles	1,854
26. Cornell University	1,812
27. Stevens Institute of Technology	1,806
28. SUNY, Buffalo	1,801
29. Northwestern University	1,797
30. The University of Texas at Arlington	1,738
31. The Pennsylvania State University	1,719
31. University of California San Diego	1,715
33. The Ohio State University	1,680
34. University of Wisconsin Madison	1,655
35. University of Colorado Boulder	1,623
36. George Mason University	1,599
37. University of Pennsylvania	1,558
38. Stony Brook University	1,393
39. Clemson University	1,372
40. New Jersey Institute of Technology	1,356
41. Colorado School of Mines	1,355
42. University of Central Florida	1,264
43. University of Utah	1,180
44. The George Washington University	1,176
45. Iowa State University	1,161
46. University of Illinois at Chicago	1,141
47. Illinois Institute of Technology	1,131
48. University of California Davis	1,130
49. Missouri Univ. of Science and Tech.	1,091
50. Wayne State University	1,008

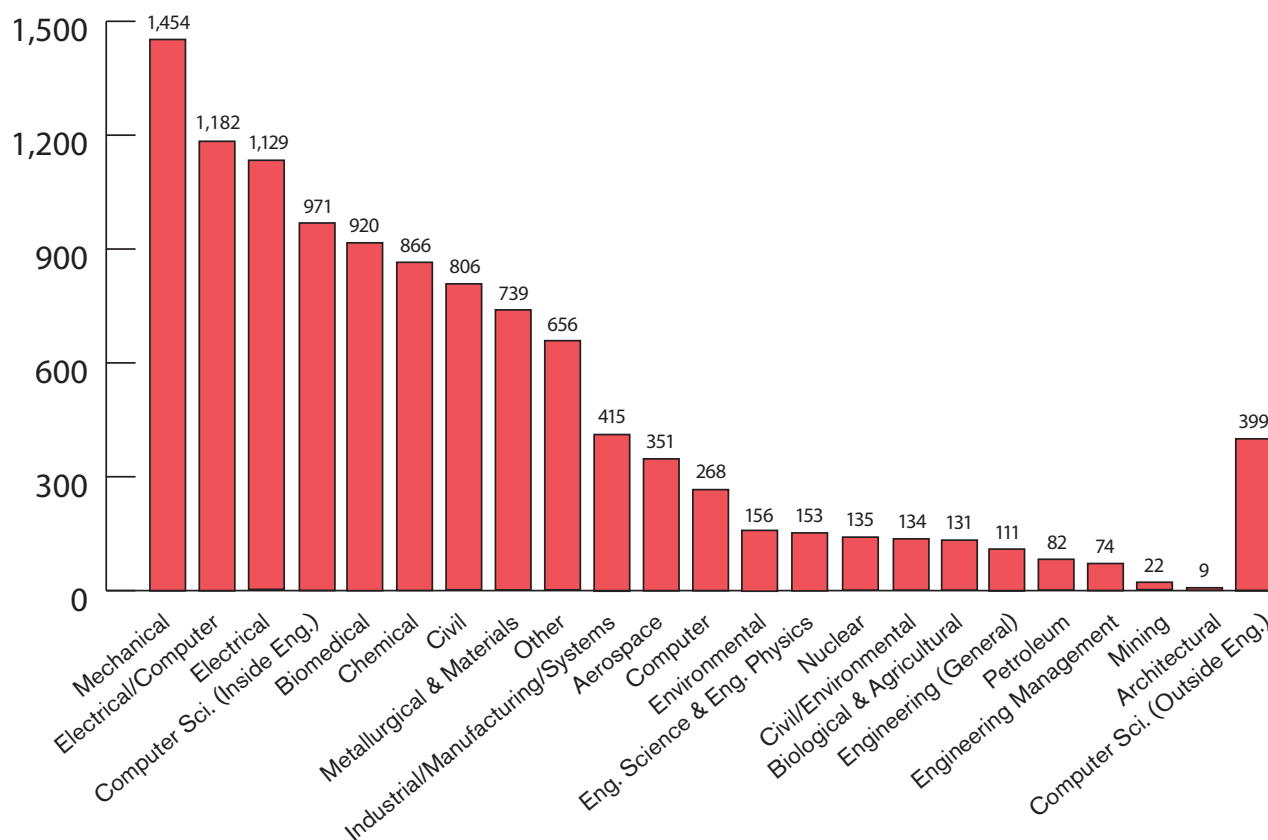
272 total schools reported.
*includes both full-time and part-time

ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL

1. Massachusetts Inst. of Technology	324
2. Stanford University	319
3. Georgia Institute of Technology	313
4. Texas A&M University	285
5. Univ. of Illinois, Urbana-Champaign	282
6. University of Michigan	245
7. University of California, Berkeley	243
8. Purdue University	232
9. University of Texas, Austin	231
10. Virginia Tech	213
11. University of Florida	188
12. Pennsylvania State University	183
13. North Carolina State University	165
14. University of Minnesota, Twin Cities	164
15. University of California, Los Angeles	160
16. The Ohio State University	154
17. University of California, San Diego	144
18. University of Southern California	143
19. University of Washington	136
20. Arizona State University	135
21. Cornell University	134
22. University of California, Davis	132
23. University of Maryland, College Park	130
24. Northwestern University	129
25. Carnegie Mellon University	123
26. Columbia University	109
27. California Institute of Technology	106
28. Univ. of California, Santa Barbara	101
28. University of Wisconsin, Madison	101
30. The Johns Hopkins University	99
31. University of Colorado, Boulder	98
32. University of California, Irvine	92
33. University of Utah	86
34. Iowa State University	85
35. Rensselaer Polytechnic Institute	84
36. Colorado School of Mines	83
37. University of Virginia	82
38. William Marsh Rice University	78
39. Princeton University	77
39. SUNY, Buffalo	77
41. Oklahoma State University	75
42. Michigan State University	74
42. Missouri Univ. of Science and Tech.	74
44. University of Arizona	72
44. Wayne State University	72
44. University of Tennessee, Knoxville	72
47. University of Pennsylvania	69
48. University of Central Florida	68
49. Clemson University	67
50. University of Texas, Dallas	64

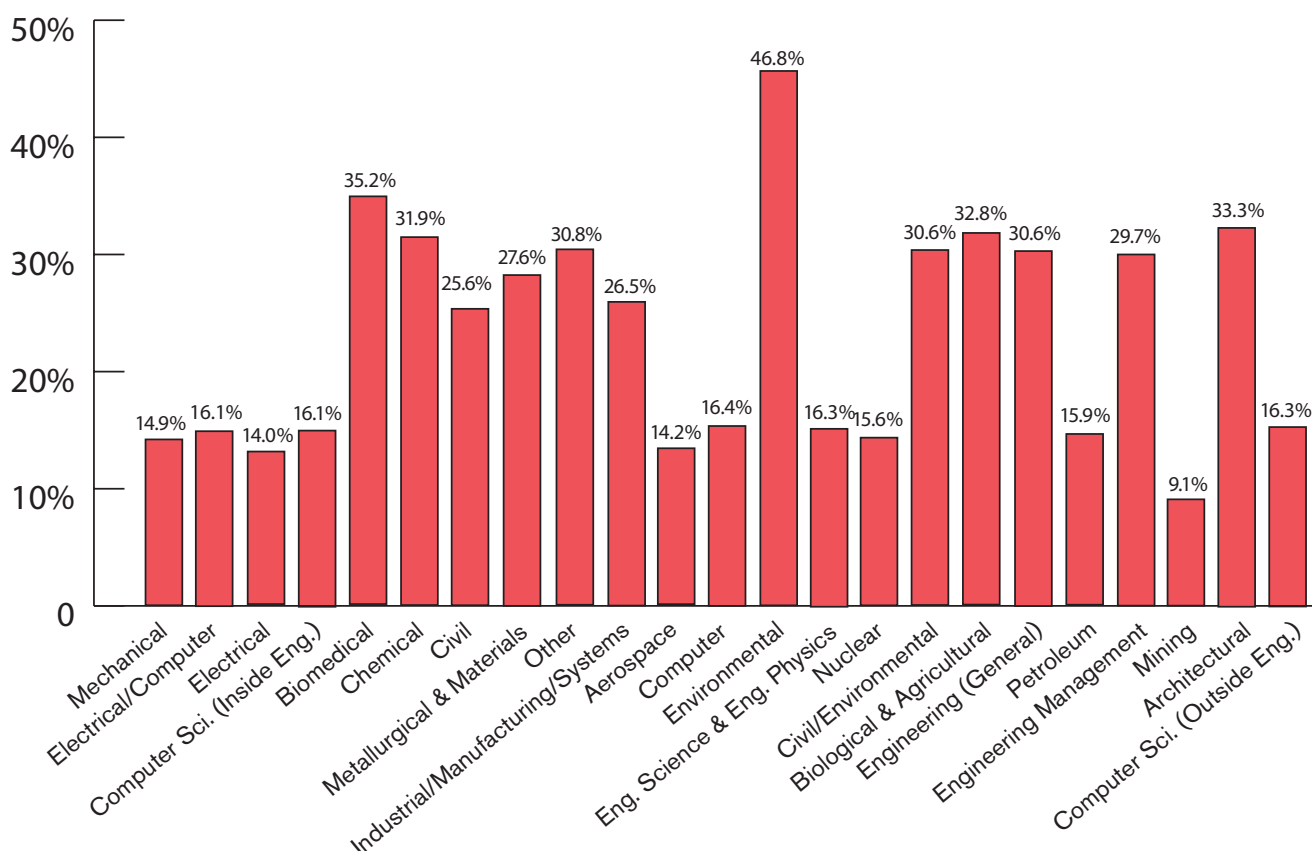
199 total schools reported.

DOCTORAL DEGREES AWARDED BY DISCIPLINE: 10,764*



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

PERCENTAGE OF DOCTORAL DEGREES AWARDED TO WOMEN BY DISCIPLINE: 22.4%



DOCTORAL DEGREES AWARDED TO FOREIGN NATIONALS

1. Univ. of Illinois, Urbana-Champaign	196
2. Stanford University	174
3. Georgia Institute of Technology	160
4. Purdue University	157
5. Virginia Tech	141
5. University of Michigan	137
7. Massachusetts Inst. of Technology	134
8. The University of Texas at Austin	133
9. University of Minnesota -Twin Cities	127
10. University of Florida	110
11. The Pennsylvania State University	109
11. North Carolina State University	109
13. The Ohio State University	104
14. University of Southern California	96
15. Arizona State University	95
16. University of California, Los Angeles	92
16. University of California, Berkeley	92
18. University of Maryland, College Park	81
19. Cornell University	72
20. Carnegie Mellon University	72
21. Northwestern University	65
22. University of California, Davis	62
22. Columbia University	60
22. Iowa State University	60
25. University of California, San Diego	59
26. Missouri Univ. of Science and Tech.	58
26. Michigan State University	58
28. Rensselaer Polytechnic Institute	57
29. SUNY, Buffalo	54
30. University of Washington	53
31. University of California, Riverside	51
32. University of Nebraska, Lincoln	47
32. The University of Texas at Arlington	47
32. Univ. of California, Santa Barbara	47
35. Louisiana State University	46
35. The Johns Hopkins University	46
35. Oklahoma State University	46
35. Florida International University	46
37. Northeastern University	45
37. Stony Brook University	45
37. The University of Texas at Dallas	45
37. University of Utah	45
43. University of Wisconsin, Madison	44
43. University of Tennessee, Knoxville	44
45. Wayne State University	43
46. Princeton University	42
46. Washington State University	42
46. William Marsh Rice University	42
49. Auburn University	41

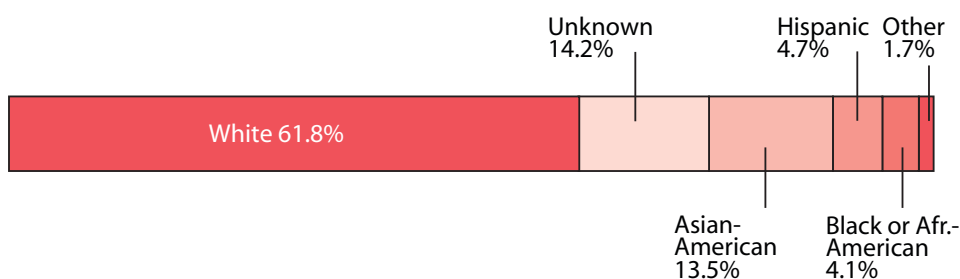
1969 schools reported.

DOCTORAL DEGREES BY GENDER, 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012
Female	17.8%	18.3%	20.2%	20.8%	21.2%	21.2%	22.9%	21.8%	22.2%
Male	82.2%	81.7%	79.8%	79.2%	78.8%	78.8%	77.1%	78.2%	77.8%

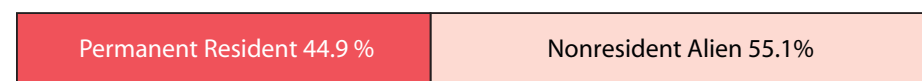
DOCTORAL DEGREES BY ETHNICITY, 2013*



	2004	2005	2006	2007	2008	2009	2010	2011	2012
Black or African American	3.8%	3.7%	3.7%	3.6%	3.2%	3.8%	4.4%	3.5%	4.1%
Hispanic	3.5%	3.7%	3.0%	3.5%	3.6%	3.8%	5.2%	4.2%	4.1%
Other	14.0%	14.2%	15.1%	18.7%	19.5%	17.6%	1.0%	1.6%	1.7%
Asian American	14.0%	14.4%	16.6%	12.0%	12.4%	13.2%	14.0%	15.1%	14.1%
White	64.7%	64.0%	61.6%	62.2%	61.3%	61.6%	65.7%	60.3%	61.1%
Unknown	--	--	--	--	--	--	9.7%	15.3%	14.9%

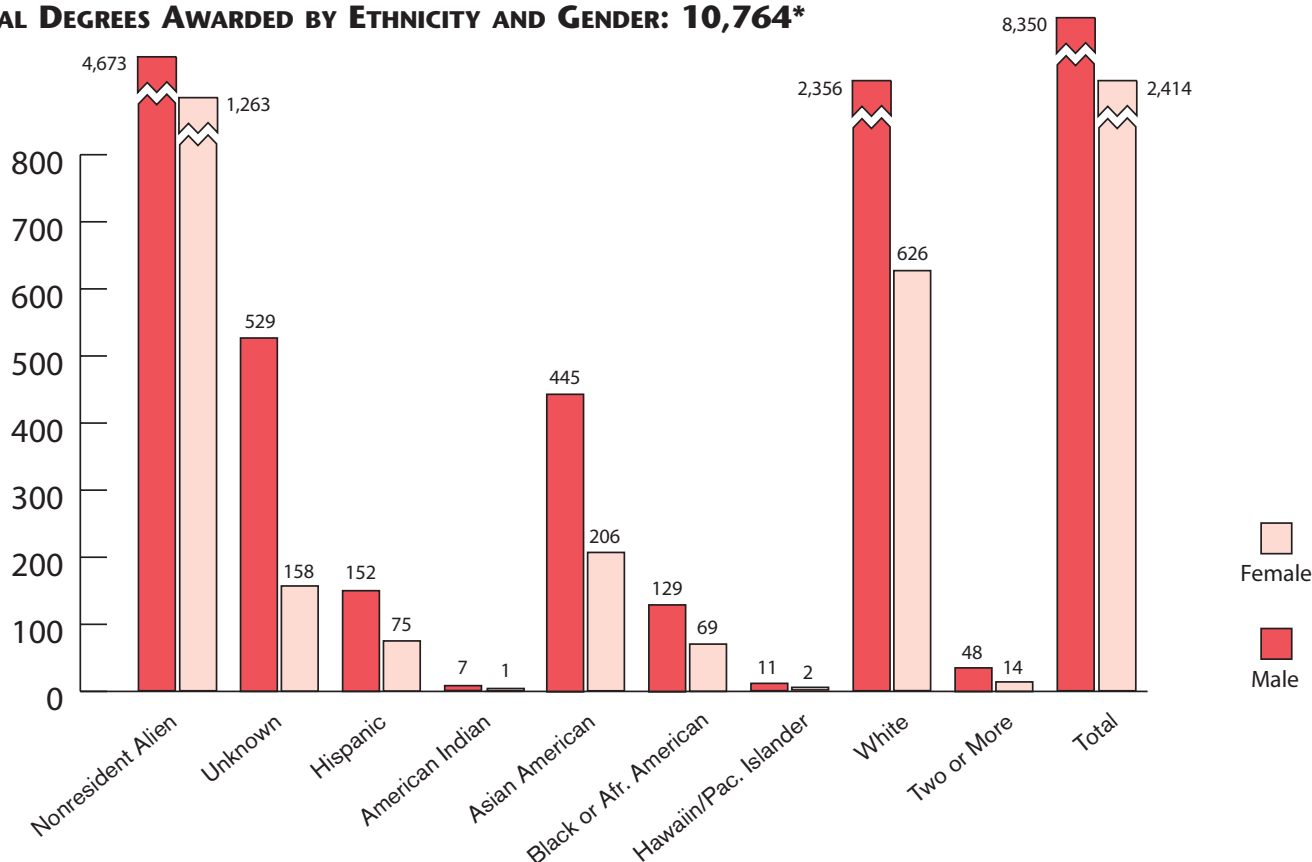
* Data on ethnicity does not include foreign nationals. American Indians (0.2%), Hawaiian/Pacific Islanders (0.3%) and two or more (1.3%) are combined under other.

DOCTORAL DEGREES BY RESIDENCY, 2013



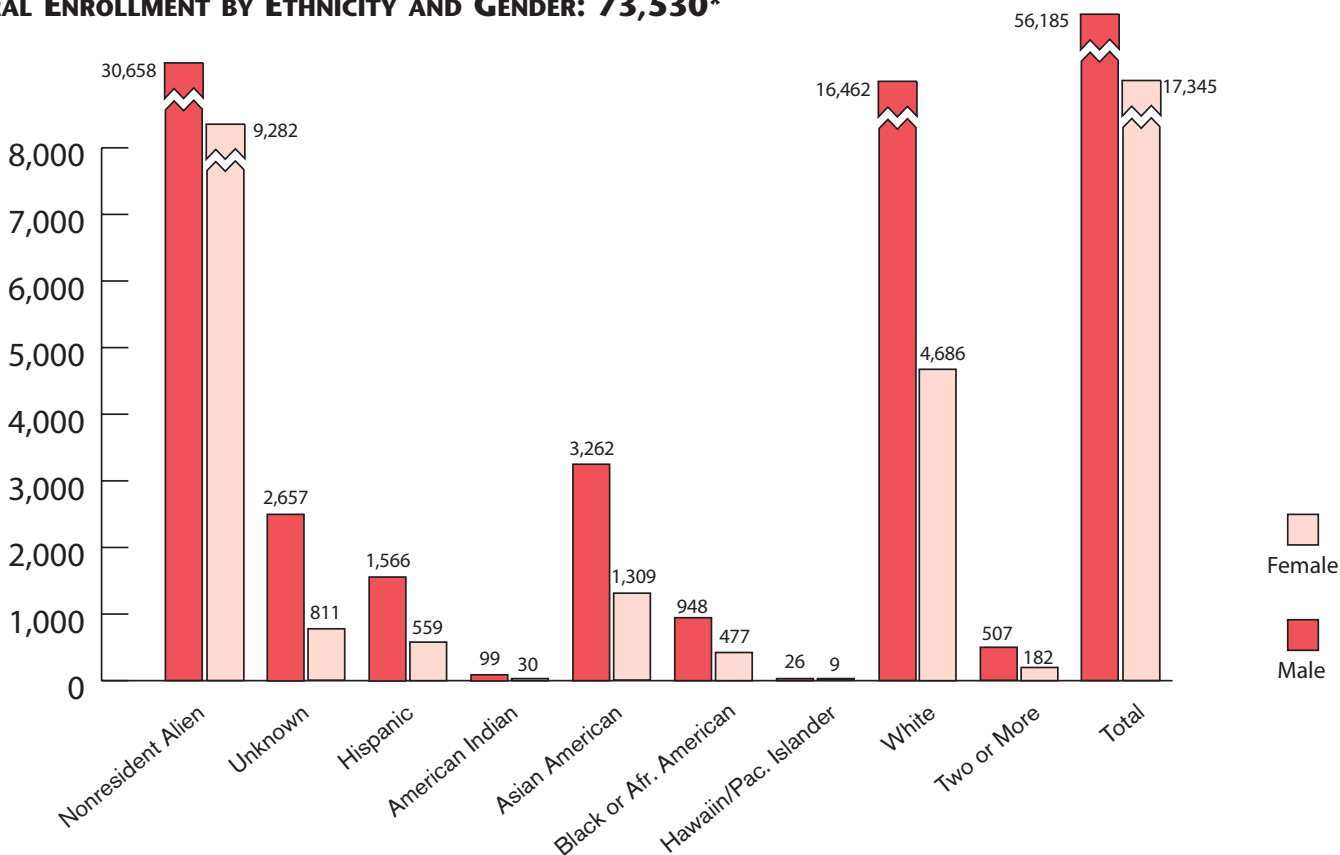
	2004	2005	2006	2007	2008	2009	2010	2011	2012
Foreign National	57.8%	59.4%	61.7%	61.6%	55.1%	55.1%	54.2%	54.2%	53.3%
Domestic	42.2%	40.6%	38.3%	38.4%	44.9%	44.9%	45.8%	45.8%	46.7%

DOCTORAL DEGREES AWARDED BY ETHNICITY AND GENDER: 10,764*



* Includes 3 male and 3 female graduates from University of Puerto Rico, Mayaguez.

DOCTORAL ENROLLMENT BY ETHNICITY AND GENDER: 73,530*



* Includes 44 Hispanic male and 25 Hispanic female enrolled students from schools in Puerto Rico.

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

1. Georgia Institute of Technology	1,823
2. Pennsylvania State University	1,581
3. Purdue University	1,405
4. Univ. of Illinois, Urbana-Champaign	1,387
5. Texas A&M University	1,304
6. Virginia Tech	1,203
7. University of Michigan	1,137
8. North Carolina State University	1,114
9. University of Texas, Austin	1,100
10. University of California, Berkeley	1,079
11. Iowa State University	1,013
12. California Poly. State U., SLO	1,003
13. University of Florida	990
14. The Ohio State University	977
15. University of Maryland, College Park	832
16. Arizona State University	819
16. University of Minnesota, Twin Cities	819
18. Colorado School of Mines	814
19. Missouri Univ. of Science and Tech.	803
20. University of California, San Diego	800
21. University of Central Florida	789
22. Rensselaer Polytechnic Institute	749
23. California State Poly. U., Pomona	739
24. University of Washington	702
25. University of Wisconsin, Madison	692
26. Rutgers University	654
27. Michigan Technological University	644
28. Clemson University	639
29. Cornell University	617
30. SUNY, Buffalo	606
31. Texas Tech University	601
32. Louisiana State University	593
33. Oregon State University	587
34. University of Colorado, Boulder	585
35. Worcester Polytechnic Institute	584
36. University of California, Davis	568
36. University of California, Los Angeles	568
38. Drexel University	523
39. University of Puerto Rico, Mayaguez	521
40. University of California, Irvine	520
41. Massachusetts Inst. of Technology	508
42. West Virginia University	485
43. University of Virginia	483
44. Auburn University	476
45. University of South Florida	472
45. University of Pittsburgh	472
47. Michigan State University	462
48. George Mason University	452
49. University of Southern California	451
50. University of Arizona	449

357 schools reported.

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

1. University of Southern California	1,218
2. University of Michigan	1,115
3. Georgia Institute of Technology	1,051
4. University of Florida	995
5. Stanford University	927
6. Columbia University	825
7. Massachusetts Inst. of Technology	772
8. Carnegie Mellon University	753
9. Cornell University	717
10. The Johns Hopkins University	705
11. North Carolina State University	647
12. San Jose State University	639
13. Arizona State University	608
14. Polytechnic Institute of NYU	590
15. Stevens Institute of Technology	565
16. George Washington University	528
17. University of Maryland, College Park	521
18. Purdue University	510
19. Missouri Univ. of Science and Tech.	504
20. Univ. of Illinois, Urbana-Champaign	501
21. Texas A&M University	489
22. University of Washington	479
23. New Jersey Inst. of Technology	478
24. Northeastern University	476
25. University of California, Los Angeles	453
26. University of California, Berkeley	436
27. University of Pennsylvania	424
28. Virginia Tech	420
29. University of Colorado, Boulder	419
30. George Mason University	412
31. Northwestern University	408
32. University of Wisconsin, Madison	401
33. University of Texas, Austin	392
34. Colorado School of Mines	372
34. Wayne State University	372
36. Pennsylvania State University	368
37. Illinois Institute of Technology	365
38. The Ohio State University	340
39. Stony Brook University	338
40. Worcester Polytechnic Institute	321
41. University of Texas, Arlington	311
42. University of Minnesota, Twin Cities	305
43. Southern Methodist University	304
44. Duke University	288
45. Clemson University	277
46. University of California, San Diego	276
47. Rochester Institute of Technology	273
48. Drexel University	271
49. University of Central Florida	260
50. University of California, Irvine	259

265 schools reported.

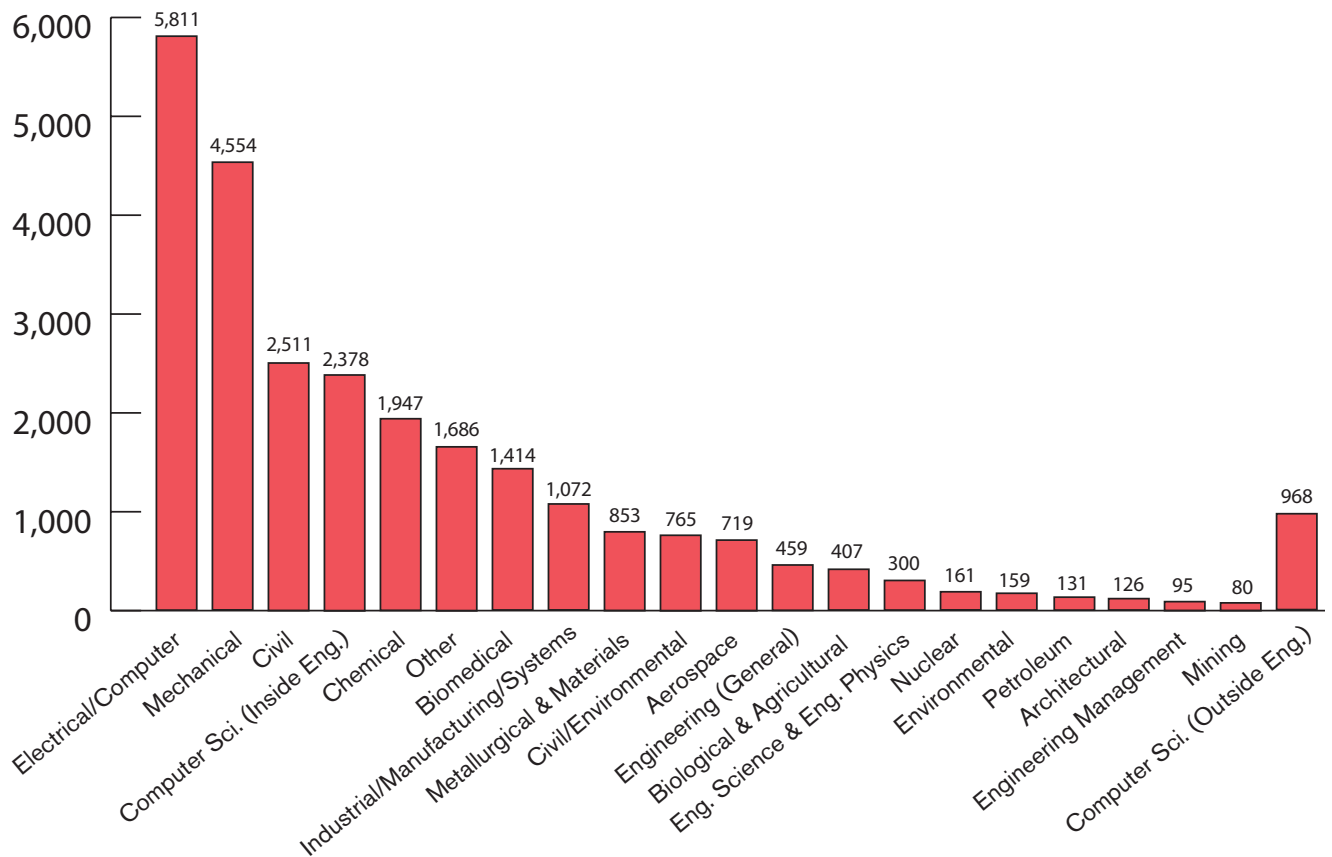
ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL (EXCLUDING COMPUTER SCIENCE)

1. Massachusetts Inst. of Technology	324
2. Georgia Institute of Technology	313
3. Stanford University	298
4. Texas A&M University	262
5. University of Michigan	245
6. University of California, Berkeley	243
7. Purdue University	232
8. University of Texas, Austin	231
9. Univ. of Illinois, Urbana-Champaign	227
10. University of Florida	188
11. Virginia Tech	181
12. Pennsylvania State University	156
13. North Carolina State University	142
14. University of Washington	136
15. The Ohio State University	135
16. University of Minnesota, Twin Cities	132
17. University of California, Los Angeles	131
18. University of Maryland, College Park	130
19. Carnegie Mellon University	123
20. Northwestern University	122
21. Cornell University	120
22. Arizona State University	113
23. University of California, San Diego	112
23. University of Southern California	112
25. University of California, Davis	107
26. University of Wisconsin, Madison	101
27. California Institute of Technology	99
28. University of California, Irvine	92
28. The Johns Hopkins University	92
30. Columbia University	91
31. Iowa State University	85
32. Rensselaer Polytechnic Institute	84
33. Colorado School of Mines	83
34. Univ. of California, Santa Barbara	80
35. University of Colorado, Boulder	79
36. Oklahoma State University	75
37. Missouri Univ. of Science and Tech.	74
38. University of Arizona	72
39. William Marsh Rice University	70
39. University of Virginia	70
41. University of Utah	67
42. SUNY, Buffalo	64
42. Clemson University	64
42. University of Tennessee, Knoxville	64
45. University of Notre Dame	62
45. Michigan State University	62
45. Duke University	62
45. Princeton University	62
49. Boston University	60
50. Drexel University	59

198 schools reported.

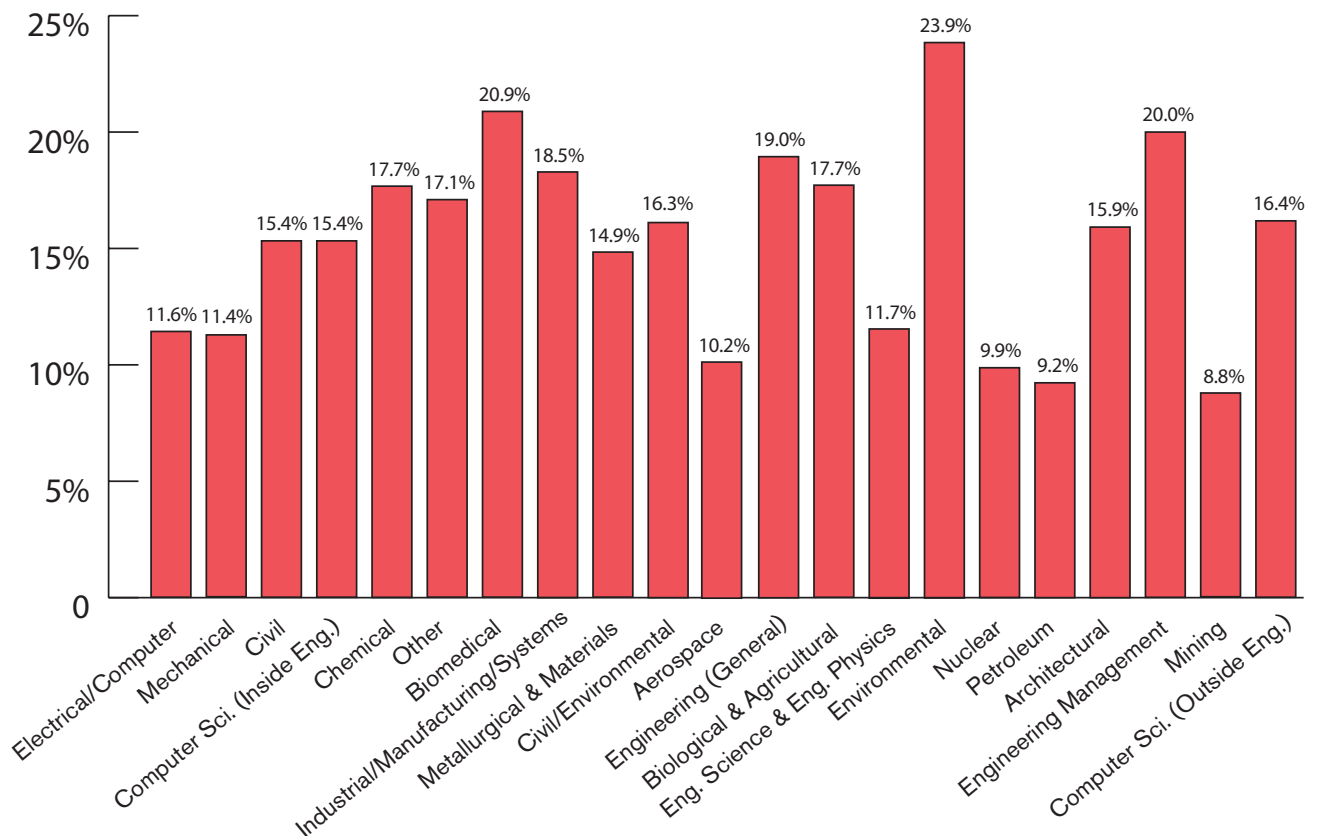
Note: All enrollment and degree data in this book includes computer science programs administered by the engineering colleges. This page displays the largest degree programs at each level without the computer science programs.

NUMBER OF TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 25,628*



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

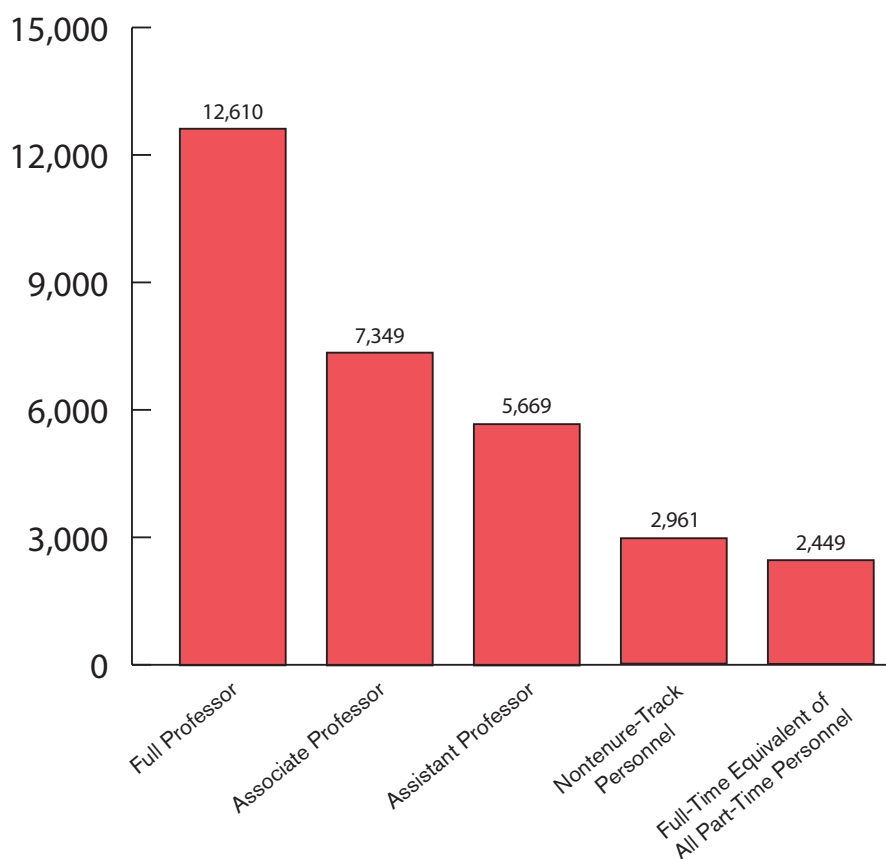
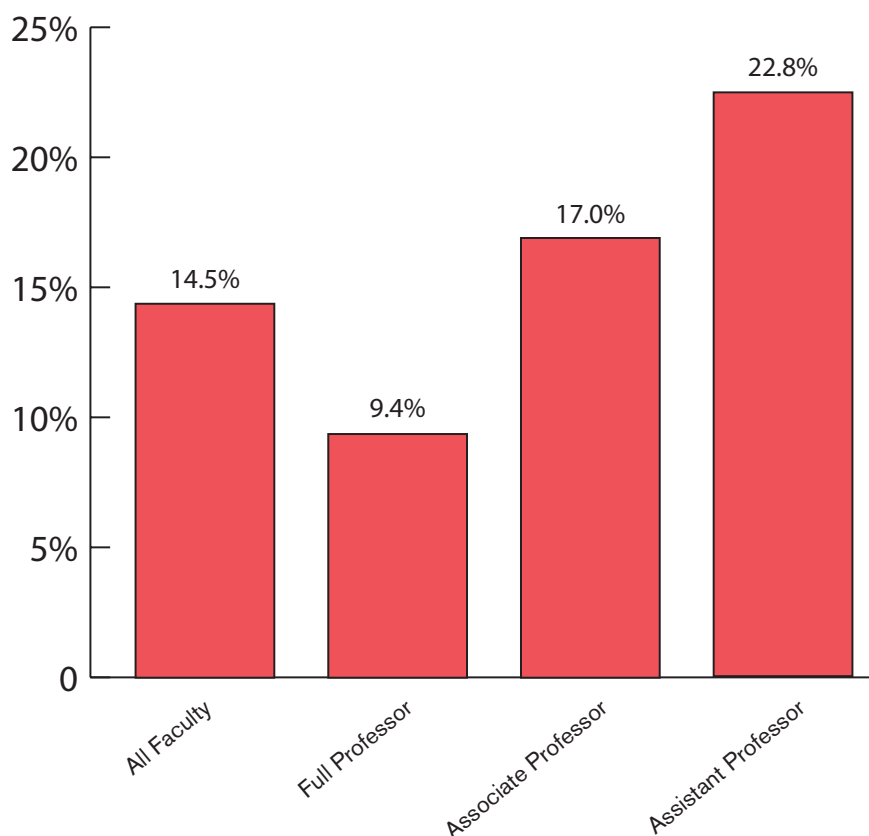
PERCENTAGE OF WOMEN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 14.5%



TENURED/TENURE-TRACK FACULTY MEMBERS BY SCHOOL

1. Georgia Institute of Technology	436
2. Univ. of Illinois, Urbana-Champaign	406
3. Massachusetts Inst. of Technology	384
4. University of Michigan	381
5. North Carolina State University	375
6. The Pennsylvania State University	353
7. Texas A&M University	328
8. Virginia Tech	317
9. Purdue University	307
10. The University of Texas at Austin	277
11. The Ohio State University	267
12. University of California, Berkeley	247
12. Cornell University	247
14. Iowa State University	242
15. University of Washington	241
16. Stanford University	230
17. University of Minnesota, Twin Cities	223
18. Arizona State University	220
19. Clemson University	214
20. University of Maryland, College Park	208
21. University of California, Davis	198
22. University of California, San Diego	194
23. University of Wisconsin, Madison	186
24. Northwestern University	181
25. Colorado School of Mines	179
25. Oregon State University	179
25. University of Utah	179
28. University of Nebraska, Lincoln	178
29. University of Southern California	174
30. University of Tennessee, Knoxville	172
31. University of Colorado Boulder	170
32. Michigan State University	169
33. University of Arizona	167
34. SUNY, Buffalo	159
35. University of California, Los Angeles	155
36. The Johns Hopkins University	151
36. Missouri Univ. of Science and Tech.	151
36. University of Puerto Rico, Mayaguez	151
39. Carnegie Mellon University	150
39. Columbia University	150
41. University of Kentucky	148
42. Auburn University	146
43. University of Connecticut	143
43. Rutgers University	143
45. California Poly. State U., SLO	140
45. The University of Texas at Dallas	140
47. Air Force Institute of Technology	135
47. Michigan Technological University	135
47. Rensselaer Polytechnic Institute	135
50. University of Delaware	134
50. Drexel University	134

355 schools reported.

NUMBER OF TEACHING PERSONNEL BY RANK: 31,038**PERCENTAGE OF WOMEN TENURED/TENURE-TRACK FACULTY BY LEVEL**

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

1. Franklin W. Olin College of Eng.	38.9%
2. Rowan University	34.4%
3. Santa Clara University	33.3%
4. Miami University	31.8%
5. University of Hartford	26.7%
6. Mercer University	26.5%
6. OHSU Dept. of Science & Engineering	26.2%
8. Boise State University	25.9%
9. University of Puerto Rico, Mayaguez	24.5%
10. Bucknell University	23.9%
11. Oakland University	23.6%
12. Tufts University	23.1%
13. University of Washington	22.4%
14. Univ. of Maryland, Baltimore County	22.2%
14. Manhattan College	22.2%
14. Grand Valley State University	22.2%
17. U.S. Coast Guard Academy	21.4%
17. Morgan State University	21.4%
19. Air Force Institute of Technology	20.7%
20. Villanova University	20.6%
21. California State Poly. U., Pomona	20.5%
21. University of California-Santa Cruz	20.5%
23. Northeastern University	20.2%
24. George Washington University	20.0%
24. Clarkson University	20.0%

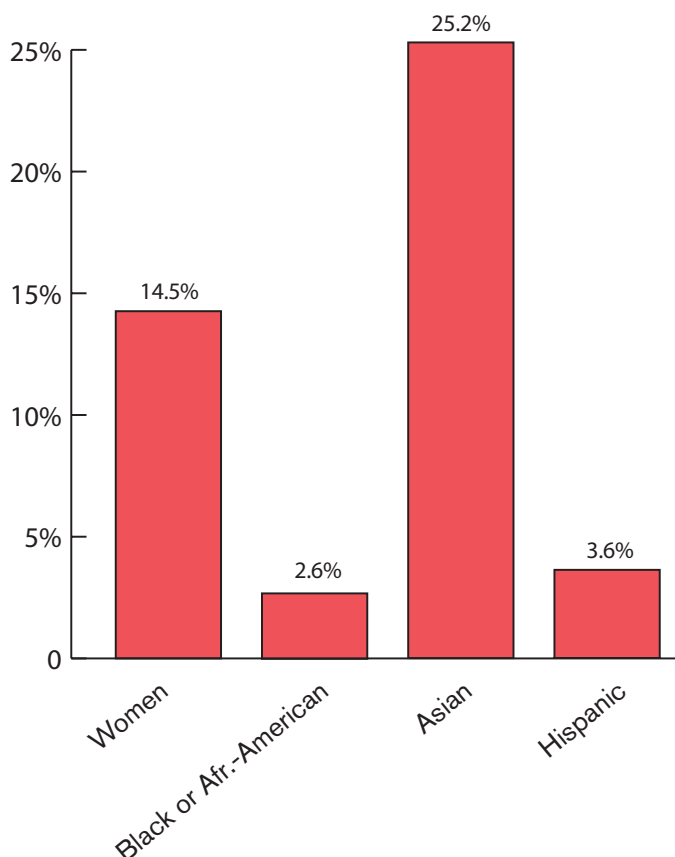
24. University of New Haven	20.0%
24. University of the Pacific	20.0%
24. Gonzaga University	20.0%
29. Stony Brook University	19.8%
30. Prairie View A&M University	19.6%
31. Arizona State University	19.5%
31. Western Michigan University	19.5%
33. California State Univ., Long Beach	19.4%
33. Polytechnic Univ. of Puerto Rico	19.4%
33. Drexel University	19.4%
33. University of Vermont	19.4%
37. University of California, Davis	19.2%
38. University of Massachusetts, Lowell	18.7%
39. University of New Hampshire	18.6%
39. California State Poly. U., Pomona	18.6%
41. Kettering University	18.5%
42. William Marsh Rice University	18.4%
42. New York Institute of Technology	18.4%
42. University of Michigan	18.4%
42. University of Alaska Fairbanks	18.4%
46. University of Colorado Boulder	18.2%
46. University of Illinois at Chicago	18.2%
48. Purdue University	17.9%
48. Arizona State U., Coll of Tech. & Innov.	17.9%
48. Western New England University	17.9%
48. Jackson State University	17.9%

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

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

1. Georgia Institute of Technology	70
1. University of Michigan	70
3. Massachusetts Inst. of Technology	66
4. Purdue University	55
4. The Pennsylvania State University	55
6. University of Washington	54
7. Univ. of Illinois, Urbana-Champaign	53
8. Virginia Tech	45
8. Arizona State University	43
10. North Carolina State University	42
10. Texas A&M University	42
11. Iowa State University	40
13. University of California, Berkeley	38
13. University of California, Davis	38
13. Cornell University	38
13. The University of Texas at Austin	38
17. The Ohio State University	37
17. University of Puerto Rico, Mayaguez	37
17. Clemson University	37
20. Stanford University	36

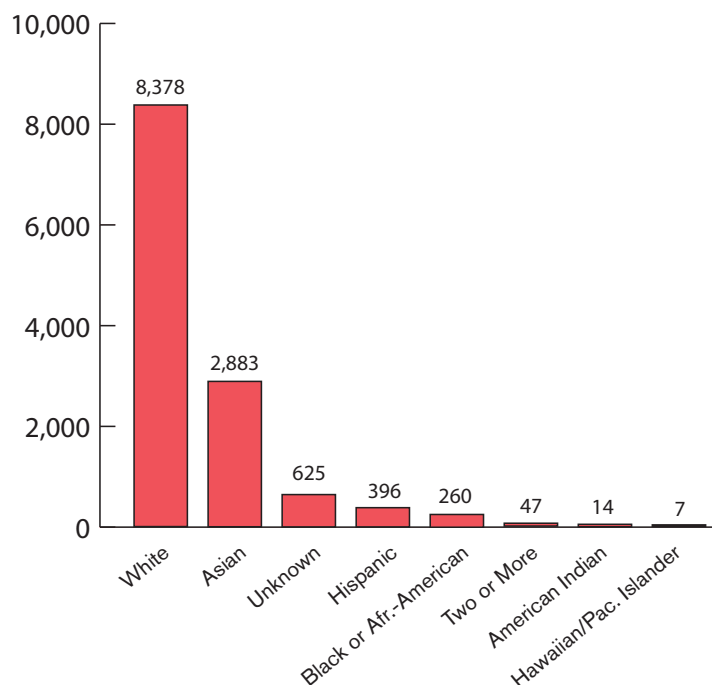
364 schools reported.

PERCENTAGE OF WOMEN AND MINORITY FACULTY, 2004-2013*

	Women	African-American	Asian	Hispanic
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%
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%

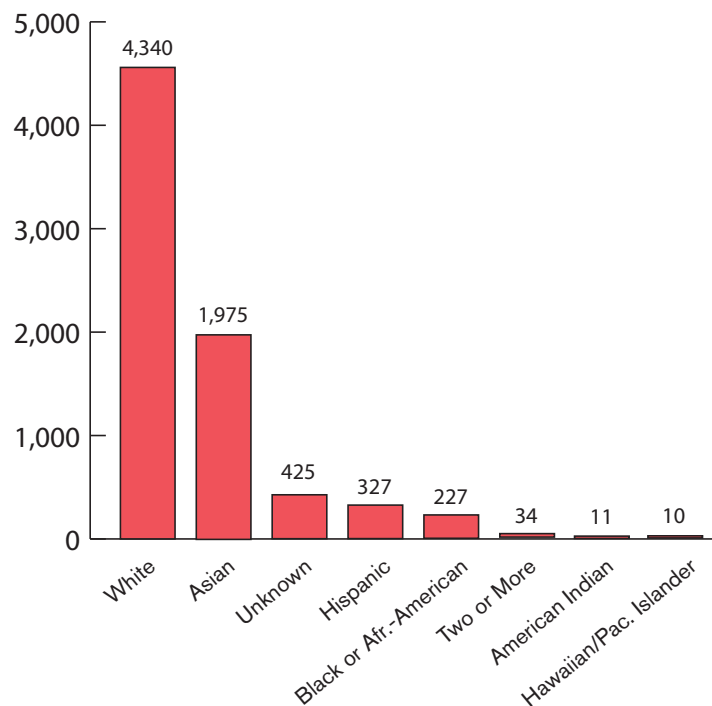
*Note: Includes faculty data from University of Puerto Rico, Mayaguez, Polytechnic University of Puerto Rico and Turabo University

NUMBER OF FULL PROFESSORS BY RACE/ETHNICITY (TEACHING): 12,610*



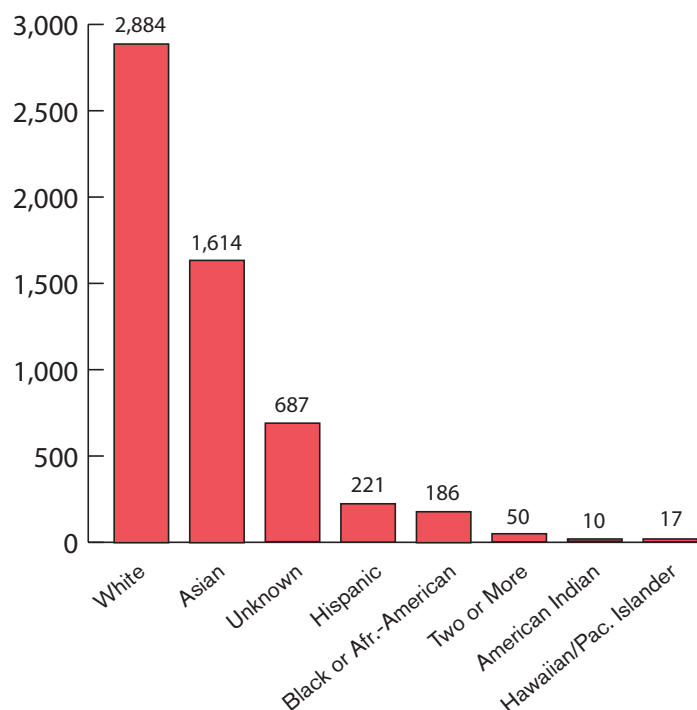
*Note: Includes 103 Hispanic faculty from University of Puerto Rico, Mayaguez, Polytechnic University of Puerto Rico and Turabo University.

NUMBER OF ASSOCIATE PROFESSORS BY RACE/ETHNICITY (TEACHING): 7,349*



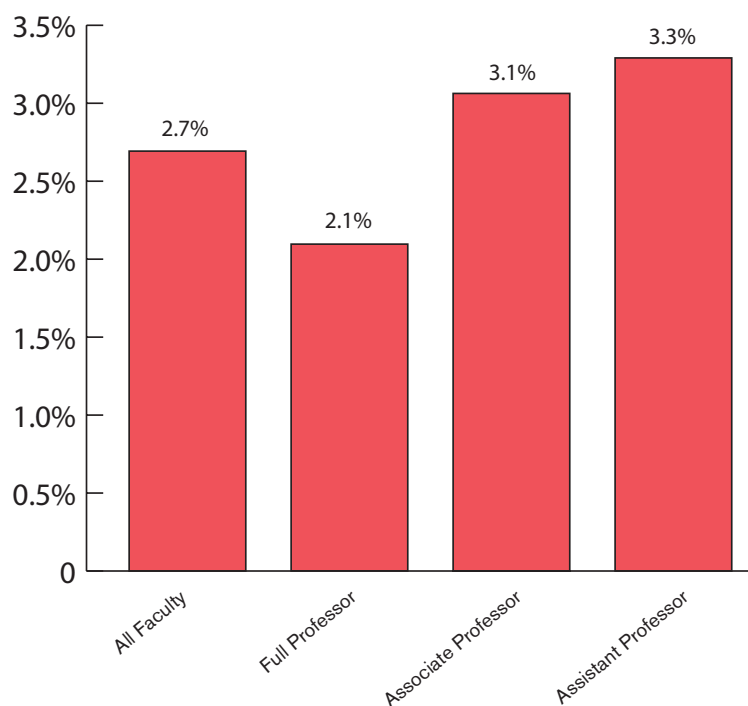
*Note: Includes 60 Hispanic faculty from University of Puerto Rico, Mayaguez, Polytechnic University of Puerto Rico and Turabo University.

NUMBER OF ASSISTANT PROFESSORS BY RACE/ETHNICITY (TEACHING): 5,669*

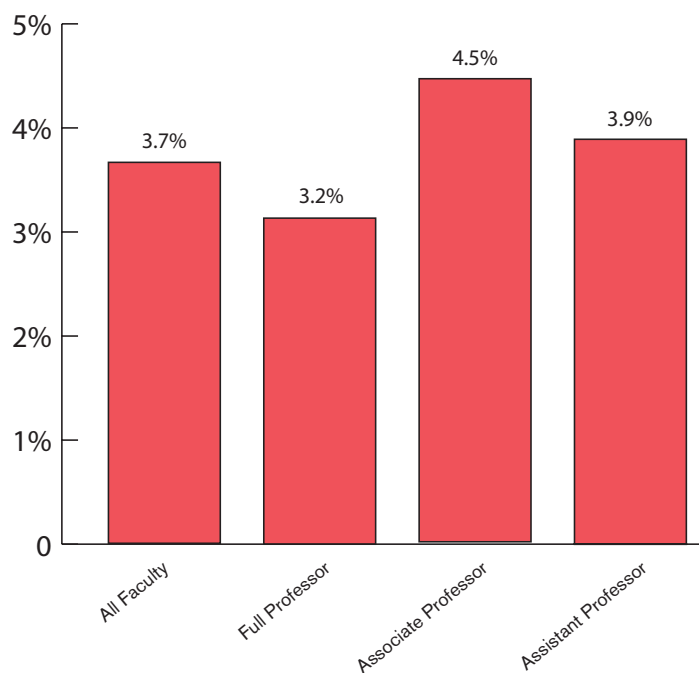


*Note: Includes 51 Hispanic faculty from University of Puerto Rico, Mayaguez, Polytechnic University of Puerto Rico and Turabo University.

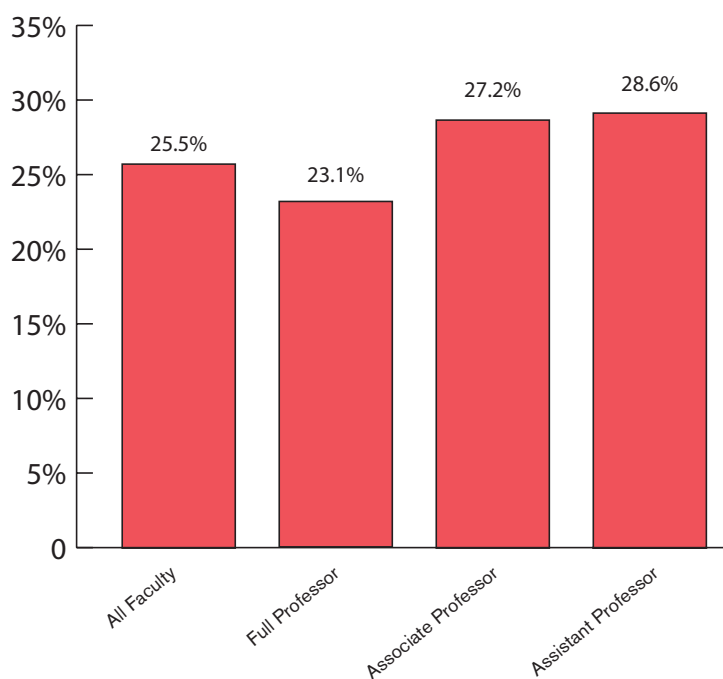
PERCENTAGE OF AFRICAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY LEVEL*



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, Polytechnic University of Puerto Rico and Turabo University

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

1. North Carolina A&T State Univ.	35
2. Howard University	34
3. Prairie View A&M University	22
4. Southern Univ. and A&M College	18
5. FAMU-FSU College of Engineering	17
5. Morgan State University	17
7. Georgia Institute of Technology	16
8. University of Michigan	13
9. Massachusetts Inst. of Technology	11
9. North Carolina State University	11
9. Cornell University	11
9. The Pennsylvania State University	11
13. Univ. of Illinois, Urbana-Champaign	9
13. Univ. of Tennessee, Chattanooga	9
15. University of the District of Columbia	8
16. Jackson State University	7
16. University of Rhode Island	7
18. Stanford University	6
18. University of Maryland, College Park	6
18. Mississippi State University	6
18. New Jersey Inst. of Technology	6
18. Clemson University	6
18. Virginia Tech	6

364 schools reported.

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

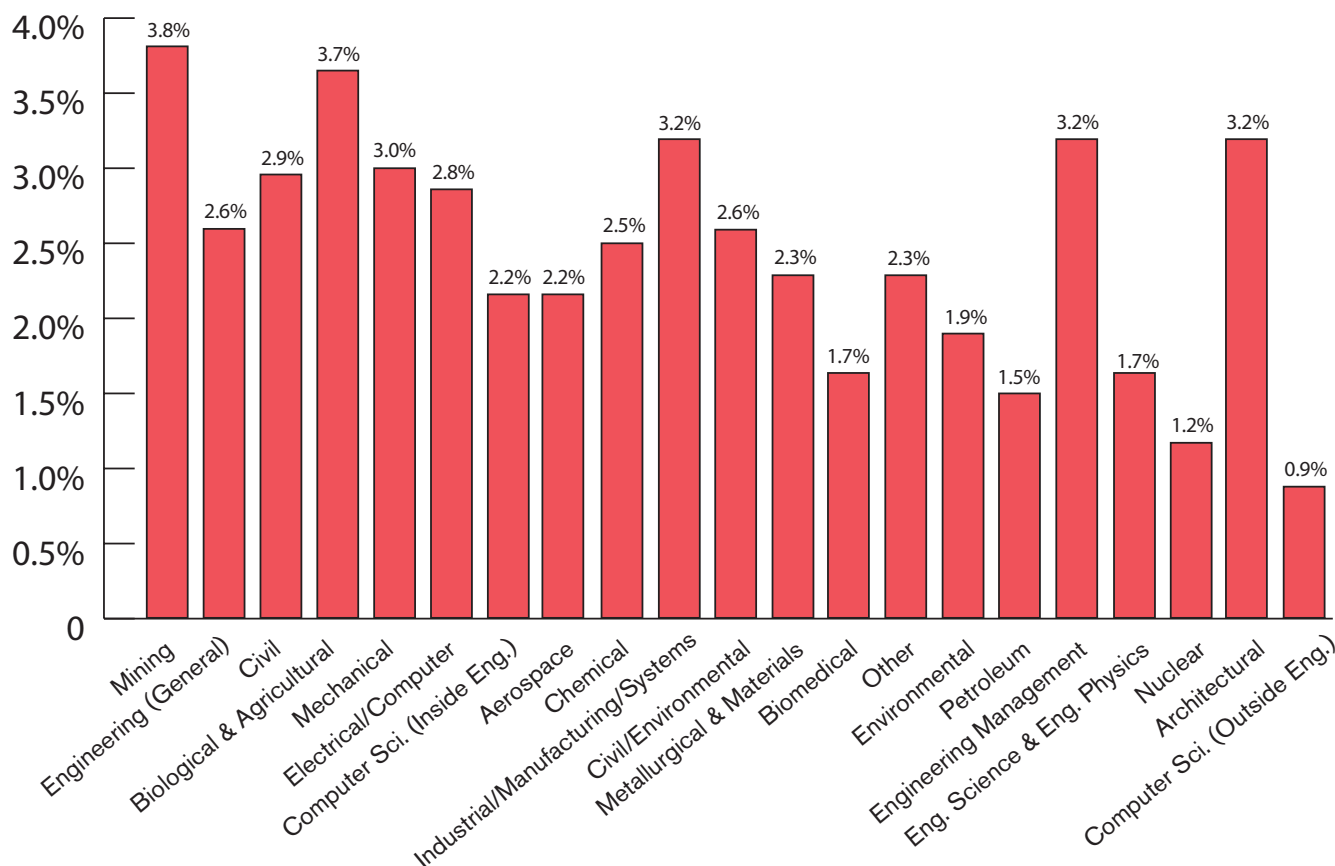
1. Georgia Institute of Technology	119
2. Univ. of Illinois, Urbana-Champaign	103
3. Texas A&M University	102
4. Purdue University	96
5. The Ohio State University	89
6. University of Michigan	86
7. Iowa State University	79
8. North Carolina State University	77
9. Arizona State University	75
10. Pennsylvania State University	72
11. SUNY, Buffalo	70
12. Virginia Tech	69
13. Michigan State University	66
14. The University of Texas at Austin	64
15. The University of Texas at Dallas	61
16. University of California, Los Angeles	60
16. The University of Texas at Arlington	60
18. University of Central Florida	58
18. University of Nebraska, Lincoln	58
20. University of California, Davis	57
20. University of Minnesota, Twin Cities	57

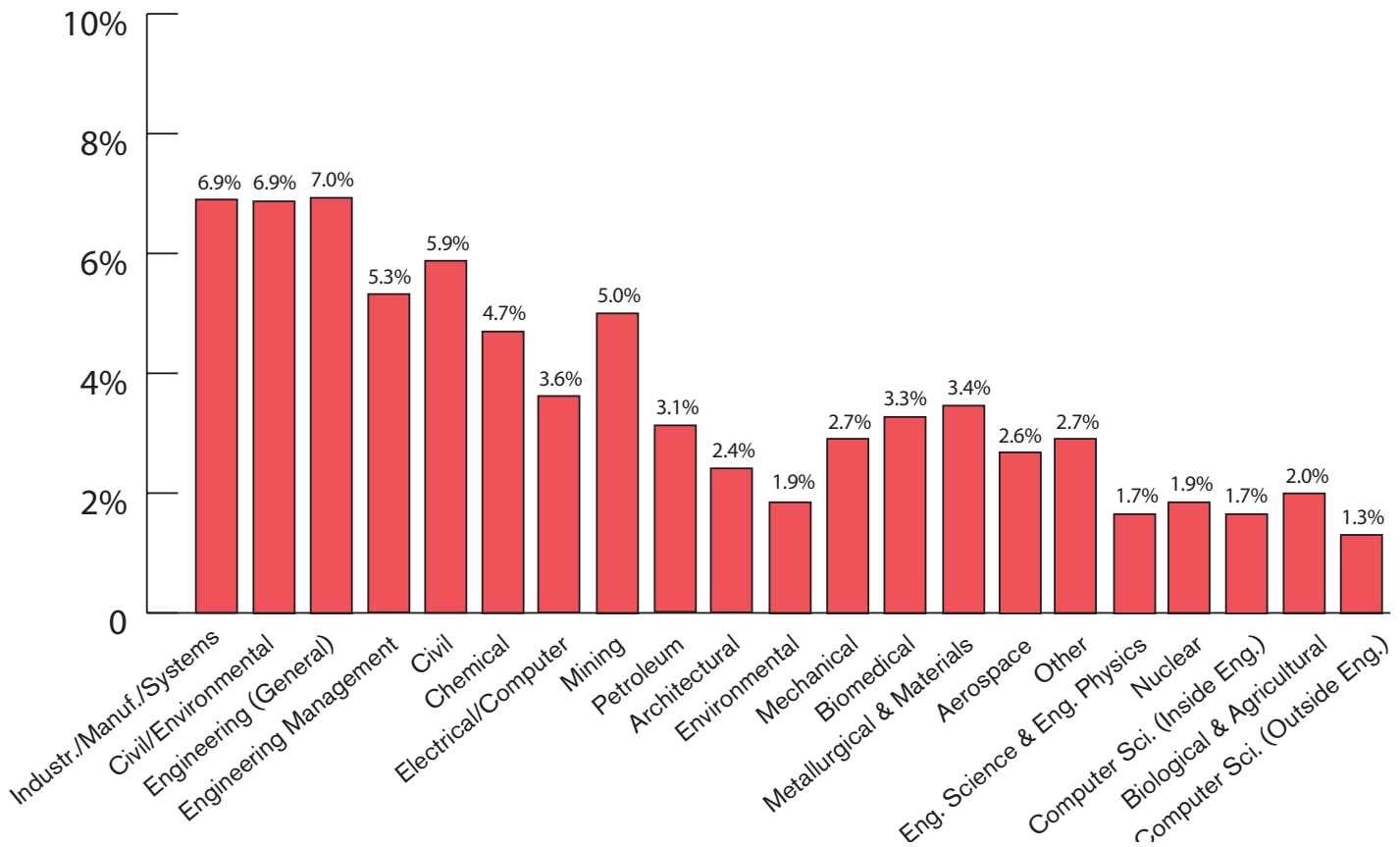
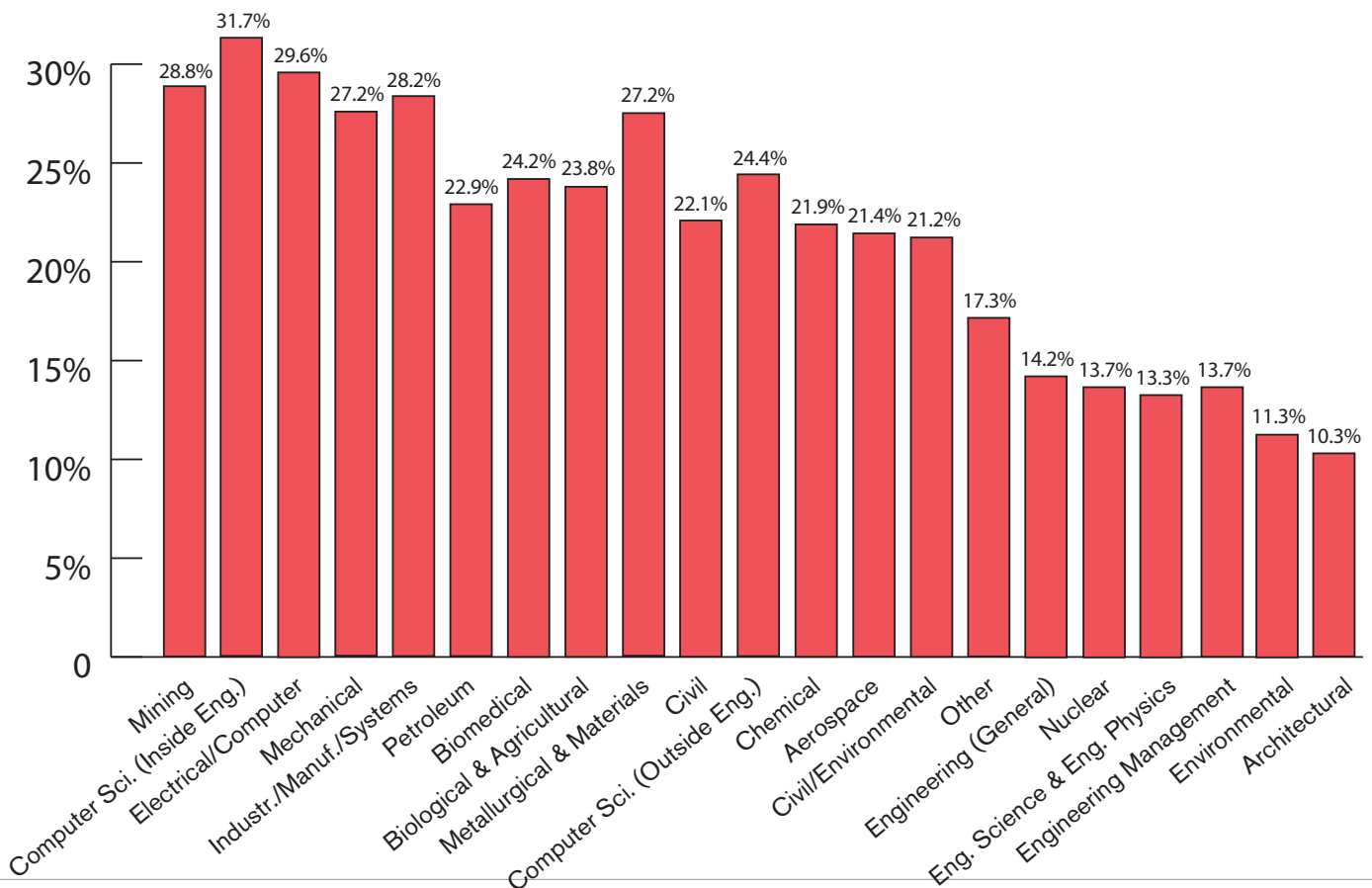
364 schools reported.

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

1. University of Puerto Rico, Mayaguez	132
2. Polytechnic Univ. of Puerto Rico	63
3. Texas A&M University	25
4. University of Texas, El Paso	23
5. Turabo University	19
6. Massachusetts Inst. of Technology	15
7. Pennsylvania State University	14
7. Virginia Tech	14
9. Georgia Institute of Technology	13
9. Univ. of Illinois, Urbana-Champaign	13
9. University of Texas, Austin	13
12. Arizona State University	12
12. Stanford University	12
14. Purdue University	11
15. University of California, Berkeley	10
15. University of South Florida	10
17. University of Southern California	9
17. Northwestern University	9
17. University of Maryland, College Park	9
17. New Mexico State University	9
17. The Ohio State University	9
17. William Marsh Rice University	9
17. Texas A&M University - Kingsville	9

364 schools reported.

PERCENTAGE OF AFRICAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 2.6%

PERCENTAGE OF HISPANIC TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 3.7%

PERCENTAGE OF ASIAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 25.3%


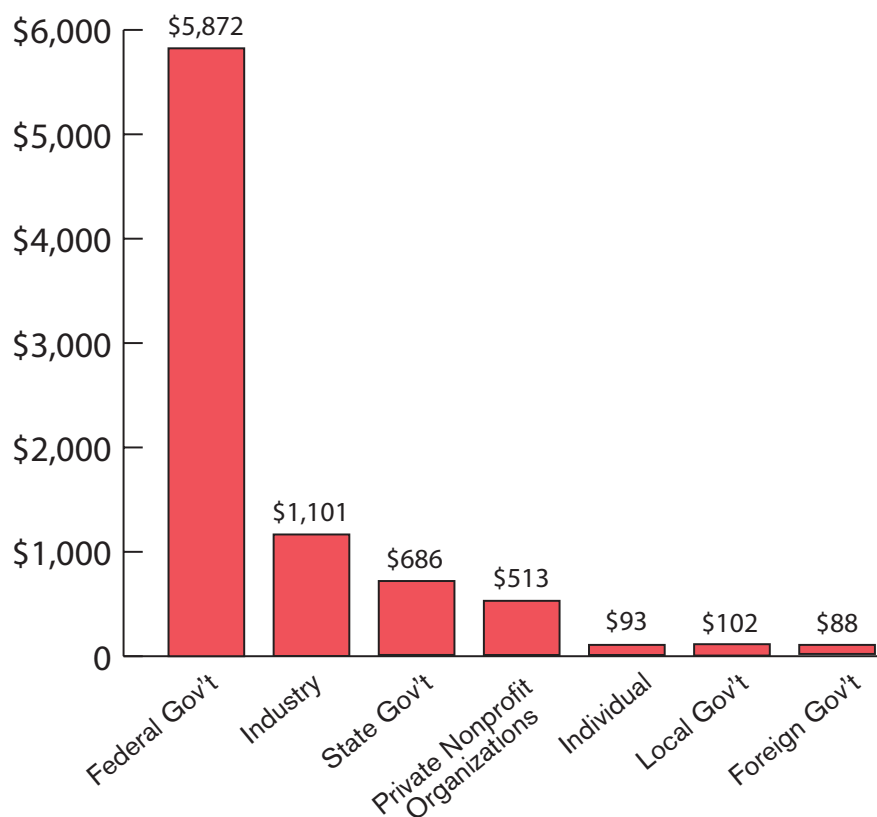
RESEARCH EXPENDITURES BY SCHOOL

(IN MILLIONS)

1. Massachusetts Inst. of Technology	\$387.1
2. Texas A&M University	\$290.7
3. University of Michigan	\$234.1
4. Purdue University	\$230.2
5. Univ. of Illinois, Urbana-Champaign	\$228.5
6. Carnegie Mellon University	\$213.0
7. University of California, Berkeley	\$211.0
8. Stanford University	\$191.8
9. The Pennsylvania State University	\$190.1
10. University of Wisconsin, Madison	\$181.4
11. University of Southern California	\$181.2
12. Georgia Institute of Technology	\$175.6
13. Virginia Tech	\$169.6
14. The University of Texas at Austin	\$168.8
15. North Carolina State University	\$160.8
16. University of California, San Diego	\$157.9
17. Cornell University	\$138.7
18. University of Maryland, College Park	\$135.1
19. University of Washington	\$126.9
20. University of Pennsylvania	\$112.9
21. The Ohio State University	\$112.7
22. California Institute of Technology	\$106.7
23. University of California, Los Angeles	\$100.4
24. University of Minnesota -Twin Cities	\$93.7
25. University of Rochester	\$92.3
26. Princeton University	\$91.0
26. Johns Hopkins University	\$86.1
28. University of Colorado Boulder	\$85.1
28. Duke University	\$85.0
30. University of Pittsburgh	\$84.3
31. University of Dayton	\$82.9
32. Iowa State University	\$79.7
33. University of Utah	\$79.2
34. University of California, Davis	\$78.3
35. Arizona State University	\$77.8
36. Boston University	\$73.5
37. University of Virginia	\$73.2
38. Vanderbilt University	\$71.8
39. University of California, Irvine	\$71.2
40. Colorado State University	\$68.9
41. University of Florida	\$63.9
42. Auburn University	\$61.3
43. University of Tennessee, Knoxville	\$60.7
44. University of Arizona	\$60.1
45. SUNY, Buffalo	\$58.6
46. Colorado School of Mines	\$55.9
47. University of Delaware	\$55.3
48. William Marsh Rice University	\$54.1
48. The University of Iowa	\$54.0
50. Michigan State University	\$51.8

208 total schools reported.

RESEARCH EXPENDITURES BY SOURCE IN MILLIONS OF DOLLARS: \$8,455



COMPUTER SCIENCE RESEARCH EXPENDITURES LOCATED OUTSIDE OF ENGINEERING BY SCHOOL

(IN MILLIONS)

1. Carnegie Mellon University	\$106.7
2. Georgia Institute of Technology	\$32.1
3. University of Maryland, College Park	\$26.8
4. University of Wisconsin, Madison	\$23.0
5. The University of Texas at Austin	\$21.5
6. University of Massachusetts Amherst	\$20.6
7. Purdue University	\$18.8
8. University of California, Irvine	\$16.8
9. Rutgers University	\$11.0
10. University of Alabama, Huntsville	\$10.2
11. Northeastern University	\$9.2
12. Rensselaer Polytechnic Institute	\$7.3
13. Duke University	\$5.2
14. University of Arizona	\$4.8
15. University of North Carolina, Charlotte	\$4.0
16. Boston University	\$3.7
16. University of Houston	\$3.7
18. Worcester Polytechnic Institute	\$3.5
19. Illinois Institute of Technology	\$3.2
20. University of Pittsburgh	\$2.9

39 schools reported.

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

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

1. Stevens Institute of Technology	13.34
2. California State Poly. U., Pomona	9.47
3. Marietta College	7.86
4. University of Central Florida	7.77
5. California Poly. State U., SLO	7.64
6. California State University, Fresno	7.39
7. Dartmouth College	6.35
8. Worcester Polytechnic Institute	6.21
9. U.S. Naval Academy	6.18
10. Arkansas Tech University	5.90
11. Florida International University	5.88
12. Northern Arizona University	5.84
13. California State University, Chico	5.82
13. Penn State Erie, The Behrend College	5.82
15. San Francisco State University	5.72
16. California State Univ., Long Beach	5.63
17. University of Vermont	5.61
18. Rensselaer Polytechnic Institute	5.55
19. California State Univ., Sacramento	5.53
19. University of New Hampshire	5.53

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

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

1. Yale University	1.15
2. Howard University	1.32
3. University of Arkansas at Little Rock	1.45
4. George Washington University	1.53
5. University of Alaska Fairbanks	1.59
6. Mercer University	1.65
6. University of Georgia	1.65
8. Massachusetts Inst. of Technology	1.68
9. California Institute of Technology	1.82
10. Southern Univ. and A&M College	1.85
11. Alabama A&M University	1.88
11. Princeton University	1.88
13. The University of Mississippi	1.92
14. Stanford University	1.95
15. Northwestern University	1.96
15. North Carolina A&T State Univ.	1.96
17. Grand Valley State University	2.00
18. The University of New Mexico	2.02
19. Prairie View A&M University	2.06
20. University of North Texas	2.08

*Minimum of 50 degrees awarded.
275 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	\$5.53
2. University of Alabama, Huntsville	\$2.43
3. University of Rochester	\$2.37
4. University of Pennsylvania	\$2.09
5. University of Wisconsin, Madison	\$1.8
6. Carnegie Mellon University	\$1.73
7. University of California, Santa Cruz	\$1.64
8. University of Southern California	\$1.62
9. Colorado State University	\$1.57
10. Princeton University	\$1.47
10. Vanderbilt University	\$1.47
12. University of Pittsburgh	\$1.45
13. University of Kentucky	\$1.44
14. University of California, San Diego	\$1.41
15. Duke University	\$1.37
16. University of Delaware	\$1.29
17. Boston University	\$1.23
18. Pennsylvania State University	\$1.22
19. Massachusetts Inst. of Technology	\$1.19
19. Mississippi State University	\$1.19
21. University of Utah	\$1.18
21. Harvard University	\$1.18
23. The University of Iowa	\$1.17
23. New Jersey Inst. of Technology	\$1.17
25. Auburn University	\$1.16
25. Cornell University	\$1.16
27. North Carolina State University	\$1.13
28. Texas A&M University	\$1.11
29. California Institute of Technology	\$1.08
29. University of Colorado Boulder	\$1.08
31. New Mexico State University	\$1.05
31. University of Virginia	\$1.05
33. University of Maryland, College Park	\$1.04
33. Rutgers University	\$1.04
35. George Mason University	\$1.02
36. University of Connecticut	\$1.01
36. Univ. of Illinois, Urbana-Champaign	\$1.01
38. The University of Texas at Dallas	\$1.00
39. Kansas State University	\$.99
39. Purdue University	\$.99
41. Air Force Institute of Technology	\$.98
42. The University of Akron	\$.97
43. University of California, Riverside	\$.96
43. University of Michigan	\$.96
45. University of Tennessee, Knoxville	\$.95
46. Iowa State University	\$.94
46. Virginia Tech	\$.94
46. The Johns Hopkins University	\$.94
49. University of Washington	\$.93
50. City College of the CUNY	\$.92

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

HIGHEST PERCENTAGE OF DOCTORAL DEGREES TO FOREIGN NATIONALS BY SCHOOL*

1. Florida International University	92.9%
2. University of North Carolina, Charlotte	90.0%
3. Illinois Institute of Technology	88.9%
4. University of Nebraska, Lincoln	80.8%
5. Michigan State University	80.6%
6. University of California, Riverside	78.9%
7. NYU Poly. School of Engineering	78.6%
8. Missouri Univ. of Science and Tech.	78.4%
9. The University of Texas at Arlington	78.0%
10. University of North Dakota	77.8%
11. Northeastern University	77.6%
12. Lehigh University	77.4%
12. Louisiana State University	77.4%
14. University of Kentucky	76.7%
15. West Virginia University	75.0%
16. New Jersey Inst. of Technology	73.7%
17. University of Massachusetts, Lowell	72.7%
18. University of Houston	72.5%
19. University of Texas, Dallas	72.3%
20. Texas Tech University	72.0%

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

LOWEST PERCENTAGE OF DOCTORAL DEGREES TO FOREIGN NATIONALS BY SCHOOL*

1. University of Arizona	6.9%
2. Brigham Young University	17.9%
3. George Washington University	23.4%
4. University of California-Santa Cruz	29.0%
5. Colorado School of Mines	30.1%
6. University of California, Berkeley	33.3%
7. University of Washington	37.5%
8. Colorado State University	38.6%
9. Vanderbilt University	39.6%
10. University of Colorado Boulder	39.8%
11. University of Virginia	40.2%
11. University of California, San Diego	40.3%
13. George Mason University	40.7%
13. Massachusetts Inst. of Technology	41.0%
15. Harvard University	42.9%
15. Tufts University	42.9%
15. Univ. of Maryland, Baltimore County	42.9%
18. Boston University	43.3%
19. University of Wisconsin, Madison	43.6%
20. Mississippi State University	43.9%

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

BACHELOR'S DEGREES BY DISCIPLINE 2004-2013

Bachelor's Degrees	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Aerospace Engineering	2,232	2,371	2,722	2,788	2,930	3,057	3,218	3,459	3,668	3,595
Architectural Engineering	590	722	631	625	646	723	753	743	763	660
Biological/Agricultural Eng.	601	635	646	659	623	631	719	796	871	924
Biomedical Engineering	2,019	2,410	2,917	2,969	3,237	3,644	3,670	4,066	4,374	4,709
Chemical Engineering	4,801	4,521	4,452	4,551	4,850	5,185	5,948	6,487	7,245	7,717
Civil Engineering	8,142	8,247	8,935	9,402	10,132	10,508	11,027	12,154	12,309	12,464
Civil/Environmental Eng. ¹	-	212	291	445	464	558	591	709	751	953
Computer Engineering	5,838	5,455	4,901	4,046	3,808	3,394	3,340	3,381	3,688	3,906
Computer Science (inside eng.)	9,156	8,419	7,330	6,446	5,964	5,652	6,049	6,708	7,371	8,184
Electrical Engineering	12,500	12,459	11,915	11,467	10,790	9,859	9,634	9,942	10,102	10,662
Electrical/Computer Eng.	2,700	2,924	2,825	2,425	2,216	2,194	2,175	2,153	2,426	2,518
Engineering (General)	1,138	1,179	1,176	1,246	1,160	1,246	1,335	1,465	1,192	1,554
Engineering Management	302	303	238	274	331	309	336	315	434	418
Engr. Science and Engr. Physics	501	383	431	460	472	431	526	496	562	524
Environmental Engineering	576	522	437	454	486	503	587	698	905	994
Industr./Manuf./Systems Eng.	3,790	3,647	3,664	3,503	3,367	3,510	3,744	3,727	4,107	4,272
Mechanical Engineering	14,182	14,947	16,063	16,701	17,324	17,375	18,391	19,241	20,369	21,707
Metallurgical/Materials Eng.	817	840	909	963	1,095	1,035	1,152	1,161	1,280	1,415
Mining Engineering	85	92	120	119	153	190	191	213	236	231
Nuclear Engineering	202	275	342	402	415	378	414	469	565	614
Other Engineering Disciplines	2,488	2,724	2,902	2,942	3,211	3,351	3,794	3,730	3,956	4,260
Petroleum Engineering	233	315	339	428	496	654	753	888	1,002	1,079
TOTAL	72,893	73,602	74,186	73,315	74,170	74,387	78,347	83,001	88,176	93,360

¹ New discipline added in 2005.

ENROLLMENT BY CLASS 2004-2013

UNDERGRADUATE ENROLLMENT	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Freshmen	97,514	95,961	102,125	106,110	110,543	113,588	118,831	122,820	133,082	141,143
Sophomores	80,083	78,317	79,883	83,753	88,227	94,111	97,909	102,125	110,011	120,328
Juniors	80,511	78,232	79,244	80,647	86,835	92,758	97,519	102,102	108,862	118,600
Seniors	117,988	114,741	112,950	115,180	117,586	127,046	136,426	144,683	152,735	163,871
TOTAL FULL TIME	376,096	367,576	374,202	385,690	403,191	427,503	450,685	471,730	504,690	543,942
TOTAL PART TIME	32,008	31,212	31,331	30,971	31,828	32,085	34,903	38,470	42,724	45,644

MASTER'S DEGREES BY DISCIPLINE 2004-2013

MASTERS DEGREES	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Aerospace Engineering	915	1,043	1,094	1,056	1,096	1,075	1,166	1,398	1,443	1,308
Architectural Engineering	160	164	112	116	119	121	131	125	150	138
Biological/Agricultural Eng.	191	173	182	149	155	171	197	213	234	244
Biomedical Engineering	862	1,007	1,326	1,156	1,221	1,396	1,447	1,558	1,890	1,997
Chemical Engineering	1,321	1,404	1,204	1,036	1,051	1,084	1,162	1,354	1,440	1,456
Civil Engineering	3,745	3,875	3,835	3,368	3,437	3,659	4,088	4,739	5,002	4,778
Civil/Environmental Eng. ¹	-	78	109	178	223	249	282	279	570	754
Computer Engineering	1,735	1,557	1,510	1,479	1,662	1,880	1,712	1,783	1,963	1,883
Computer Science (inside eng.)	5,797	5,735	5,197	4,913	4,924	5,373	5,230	5,497	5,756	6,182
Electrical Engineering	5,656	5,615	5,256	5,026	5,735	6,137	6,345	6,666	6,572	6,305
Electrical/Computer Eng.	4,393	4,243	3,753	3,532	3,757	3,682	3,459	3,799	3,824	3,756
Engineering (General)	642	539	671	602	612	729	745	906	666	623
Engineering Management	1,764	1,818	1,817	2,114	2,036	2,240	2,595	2,484	2,665	2,690
Engr. Science/Engr. Physics	315	282	315	205	194	170	248	216	205	209
Environmental Engineering	579	635	571	552	524	552	639	724	788	805
Industr./Manuf./Systems Eng.	3,262	3,138	2,663	2,565	2,669	2,986	2,990	3,359	3,362	3,214
Mechanical Engineering	4,461	4,767	4,631	4,485	4,647	4,757	5,066	5,915	6,237	6,261
Metallurgical/Materials. Eng.	737	743	702	702	715	771	771	852	951	1,049
Mining Engineering	46	38	48	49	54	51	29	47	49	63
Nuclear Engineering	197	181	246	255	268	264	305	324	366	375
Other Engineering Disciplines	2,826	3,259	3,532	3,232	3,655	4,063	4,152	4,320	4,852	5,011
Petroleum Engineering	233	256	241	213	232	222	264	382	387	382
TOTAL	39,837	40,550	39,015	36,983	38,986	41,632	43,023	46,940	49,372	49,483

¹ New discipline added in 2005.

DOCTORAL DEGREES BY DISCIPLINE 2004-2013

DOCTORAL DEGREES	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Aerospace Engineering	210	259	244	259	252	276	254	280	317	351
Architectural Engineering	7	6	2	8	11	7	7	6	8	9
Biological/Agricultural Eng.	90	68	66	65	88	80	87	114	135	131
Biomedical Engineering	339	333	436	536	662	722	733	812	843	920
Chemical Engineering	655	805	834	898	888	836	905	863	849	866
Civil Engineering	644	725	767	770	706	707	681	747	714	806
Civil/Environmental Eng. ¹	-	20	29	51	100	87	92	78	115	134
Computer Engineering	125	115	191	193	216	230	248	229	248	268
Computer Science (inside eng.)	494	606	761	867	847	863	849	880	918	971
Electrical Engineering	720	834	939	1,064	1,006	959	992	1,030	1,126	1,129
Electrical/Computer Eng.	901	938	1,112	1,234	1,169	1,055	1,038	1,185	1,197	1,182
Engineering (General)	44	46	75	56	64	65	57	70	89	111
Engineering Management	40	35	39	37	35	44	46	43	51	74
Engr. Science/Engr. Physics	109	111	131	143	133	150	160	155	139	153
Environmental Engineering	124	112	129	133	138	143	134	154	134	156
Industr./Manuf./Systems Eng.	306	302	348	398	401	381	352	383	378	415
Mechanical Engineering	855	964	1,132	1,161	1,140	1,216	1,078	1,225	1,323	1,454
Metallurgical/Materials. Eng.	442	464	519	584	617	598	603	632	707	739
Mining Engineering	7	11	16	15	13	12	6	4	9	22
Nuclear Engineering	61	76	81	88	103	87	114	115	112	135
Other Engineering Disciplines	403	457	460	447	447	511	517	521	557	656
Petroleum Engineering	28	46	40	48	50	54	42	56	66	82
TOTAL	6,604	7,333	8,351	9,055	9,086	9,083	8,995	9,582	10,035	10,764

¹ New discipline added in 2005.

UNDERGRADUATE ENROLLMENT BY DISCIPLINE 2004-2013

UNDERGRAD ENROLLMENT	2004		2005		2006		2007	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	11,436	409	15,882	588	15,945	654	16,551	633
Architectural Engineering	2,878	116	4,392	134	3,986	187	4,205	199
Biological Eng. and Agricultural Eng.	2,629	47	2,978	72	3,038	68	3,103	103
Biomedical Engineering	12,566	399	14,213	464	15,411	481	16,153	518
Chemical Engineering	22,088	1,274	21,727	1,323	23,455	1,269	25,852	1,431
Civil Engineering	43,590	3,874	42,007	3,448	44,389	3,783	47,296	3,709
Civil/Environmental Engineering ¹	-	-	1,264	185	1,790	245	2,437	259
Computer Science (inside eng.)	31,646	3,800	27,577	4,678	27,062	4,355	27,348	4,202
Electrical/Computer Engineering	91,366	10,646	79,883	8,977	75,302	8,979	72,353	8,389
Engineering (General)	7,052	635	16,140	680	18,139	526	21,944	1,039
Engineering Management	911	47	1,239	37	1,014	35	1,034	31
Engr. Science and Engr. Physics	2,332	39	3,161	486	3,533	525	2,510	105
Environmental Engineering	793	60	2,007	112	2,270	128	2,761	171
Industr./Manuf./Systems Eng.	13,573	1,043	13,065	1,170	12,970	1,054	12,921	1,019
Mechanical Engineering	80,863	6,770	78,202	6,636	80,288	6,786	82,246	6,843
Metallurgical and Matrls. Eng.	3,215	147	3,577	175	3,862	184	4,019	210
Mining Engineering	566	26	626	26	764	37	836	51
Nuclear Engineering	1,371	60	1,562	61	1,667	75	1,771	64
Other Engineering Disciplines	45,393	2,572	35,943	1,865	36,503	1,877	36,955	1,897
Petroleum Engineering	1,828	44	2,131	95	2,814	83	3,395	98
TOTAL	376,096	32,008	367,576	31,212	374,202	31,331	385,690	30,971

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.

2008		2009		2010		2011		2012		2013	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
17,561	664	18,108	601	18,482	785	18,909	879	19,402	897	19,216	879
4,033	130	3,618	179	3,677	183	3,381	161	3,195	164	3,234	171
3,191	78	3,778	96	3,911	127	4,291	151	4,245	172	4,796	198
17,798	519	19,558	504	21,166	556	23,403	664	25,884	736	27,671	950
28,636	1,326	32,050	1,476	34,506	1,563	36,499	1,819	39,448	2,053	42,962	2,169
50,167	4,430	53,436	4,784	53,520	5,008	53,215	4,940	53,082	4,995	52,379	4,888
2,546	247	2,929	235	3,185	302	3,163	313	3,773	273	4,332	343
27,766	4,081	29,959	4,092	32,921	4,690	36,983	5,347	42,296	6,100	48,685	7,303
73,343	8,158	75,061	7,952	77,270	8,427	80,607	8,867	85,113	9,470	91,336	9,951
22,856	1,186	22,903	1,226	25,035	1,022	27,159	1,159	27,981	1,276	32,604	1,435
1,224	23	1,036	24	1,005	36	1,114	36	1,528	62	1,631	118
2,643	99	2,497	84	2,618	66	2,650	96	3,174	173	3,011	220
3,180	308	4,027	338	4,549	360	4,788	363	4,970	415	5,118	394
13,476	1,184	14,224	1,033	14,751	1,151	15,429	1,426	16,851	1,587	18,310	1,623
85,249	7,089	91,856	7,082	96,164	7,687	101,476	9,016	110,379	10,096	120,083	10,694
4,312	164	4,520	146	4,970	173	5,273	182	5,589	230	6,074	253
881	51	974	68	1,039	80	1,112	63	1,174	65	1,281	75
1,832	41	2,207	60	2,399	89	2,529	99	2,468	112	2,219	118
38,468	1,922	40,536	1,912	44,914	2,311	44,647	2,584	47,905	3,370	51,357	3,254
4,029	128	4,226	193	4,603	287	5,102	305	6,233	478	7,643	623
403,191	31,828	427,503	32,085	450,685	34,903	471,730	38,470	504,690	42,724	543,942	45,659

MASTER'S ENROLLMENT BY DISCIPLINE 2004-2013

MASTER'S ENROLLMENT	2004		2005		2006		2007	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	1,621	541	1,853	575	1,758	627	1,893	600
Architectural Engineering	229	21	256	32	104	40	100	27
Biological Eng. and Agricultural Eng.	311	58	338	61	309	55	343	48
Biomedical Engineering	1,775	539	1,701	612	1,795	595	1,781	674
Chemical Engineering	1,791	955	1,527	801	1,285	678	1,391	682
Civil Engineering	5,975	3,323	4,955	2,599	5,067	2,432	5,193	2,637
Civil/Environmental Engineering ¹	-	-	92	119	127	125	280	166
Computer Science (inside eng.)	5,509	5,388	6,040	4,933	6,240	4,595	7,311	4,397
Electrical/Computer Engineering	15,311	10,738	13,799	8,995	14,950	8,731	17,013	8,919
Engineering (General)	475	734	669	1,067	698	1,012	812	937
Engineering Management	633	2,351	1,384	2,826	1,390	3,235	1,755	3,330
Engr. Science and Engr. Physics	190	174	210	167	193	134	192	96
Environmental Engineering	330	254	852	445	767	507	718	451
Industr./Manuf./Systems Eng.	3,496	2,572	3,608	2,105	3,542	1,963	4,033	1,781
Mechanical Engineering	7,458	4,208	6,658	3,564	6,762	3,529	7,352	3,678
Metallurgical and Matrls. Eng.	784	243	920	293	904	303	965	325
Mining Engineering	77	35	82	30	72	43	83	40
Nuclear Engineering	253	57	379	96	422	100	443	156
Other Engineering Disciplines	3,702	5,310	3,089	4,400	3,421	4,369	3,629	4,757
Petroleum Engineering	385	108	387	128	362	194	429	156
TOTAL	50,305	37,609	48,799	33,848	50,168	33,267	55,716	33,857

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.

2008		2009		2010		2011		2012		2013	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
1,996	672	2,125	849	2,396	952	2,505	1,038	2,341	937	2,239	953
107	30	139	21	198	29	198	55	231	73	229	61
395	59	438	48	464	88	461	95	415	109	394	97
1,890	678	1,911	693	2,265	701	2,440	717	2,398	796	2,545	756
1,507	648	1,538	696	1,794	709	1,827	720	1,824	643	2,099	681
5,297	2,882	6,326	3,130	6,888	3,414	6,914	3,600	6,790	3,526	6,854	3,415
421	165	479	165	491	200	549	194	896	366	940	447
7,161	4,507	7,274	4,675	7,873	4,727	8,187	4,831	8,778	4,652	10,942	4,822
17,041	8,925	17,664	9,346	16,975	9,485	16,626	8,695	17,392	8,292	20,463	8,070
798	1,232	799	1,073	798	1,433	915	1,346	733	895	1,009	717
2,172	3,051	2,430	3,397	2,376	3,327	2,347	3,137	2,678	2,934	2,865	2,908
195	106	215	94	194	131	248	106	206	98	199	80
787	481	990	514	1,121	574	1,152	624	1,189	668	1,235	687
4,195	2,127	4,272	2,312	4,156	2,399	3,860	2,553	4,053	2,603	4,389	2,831
7,857	3,735	8,511	4,220	8,856	4,582	8,632	4,693	8,690	4,691	9,669	4,720
1,019	357	1,144	360	1,253	316	1,293	405	1,326	448	1,389	456
93	29	90	36	83	17	120	23	101	62	124	33
449	152	460	176	509	201	581	197	463	241	424	170
4,104	4,780	4,409	5,518	4,634	5,818	4,770	6,166	5,155	6,655	5,538	5,998
532	183	634	211	683	225	672	265	763	260	823	363
58,016	34,799	61,848	37,534	64,007	39,328	64,297	39,460	66,422	38,949	74,369	38,265

DOCTORAL ENROLLMENT BY DISCIPLINE 2004-2013

DOCTORAL ENROLLMENT	2004		2005		2006		2007	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	1,310	149	1,605	192	1,574	206	1,462	195
Architectural Engineering	65	0	42	2	24	1	20	7
Biological Eng. and Agricultural Eng.	370	30	411	50	459	48	476	48
Biomedical Engineering	3,216	330	3,597	339	4,054	357	4,305	363
Chemical Engineering	4,817	368	4,659	336	4,692	333	4,684	296
Civil Engineering	4,171	800	3,847	701	3,837	546	3,704	615
Civil/Environmental Engineering ¹	-	-	49	87	133	97	262	115
Computer Science (inside eng.)	4,477	697	5,313	1,093	5,452	894	5,367	940
Electrical/Computer Engineering	13,776	2,298	13,304	2,168	13,360	1,943	13,435	1,996
Engineering (General)	264	78	272	69	399	173	380	119
Engineering Management	232	255	136	178	88	152	102	159
Engr. Science and Engr. Physics	848	54	974	62	894	72	880	57
Environmental Engineering	345	71	771	104	649	120	771	100
Industr./Manuf./Systems Eng.	1,962	465	2,046	500	2,046	475	1,940	509
Mechanical Engineering	6,220	1,075	5,896	881	6,129	853	6,070	867
Metallurgical and Matrls. Eng.	2,614	217	3,060	221	3,035	267	3,384	236
Mining Engineering	71	18	80	13	51	20	78	27
Nuclear Engineering	446	18	529	51	538	51	598	49
Other Engineering Disciplines	2,895	769	2,573	628	2,540	788	2,764	670
Petroleum Engineering	170	40	209	29	171	40	221	47
TOTAL	48,269	7,732	49,373	7,704	50,125	7,436	50,903	7,415

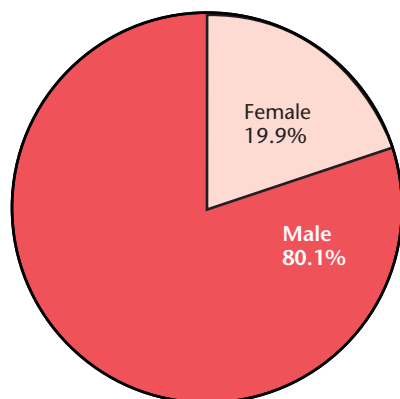
¹ New discipline added in 2005

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.

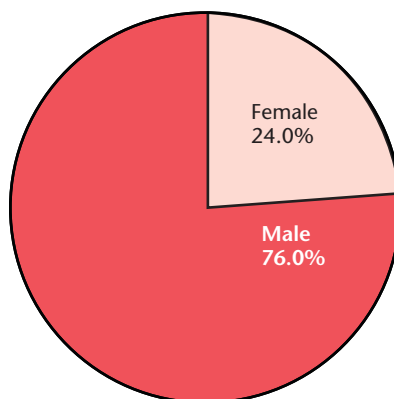
2008		2009		2010		2011		2012		2013	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
1,520	183	1,711	202	1,797	199	1,863	206	1,819	229	1,896	219
34	2	49	4	52	3	65	3	69	4	80	4
526	63	591	64	641	87	617	93	664	111	675	92
4,518	376	4,863	426	5,183	418	5,397	452	5,852	533	6,071	462
4,865	289	5,142	333	5,277	348	5,492	340	5,743	360	5,866	317
3,587	592	3,961	664	4,302	730	4,458	630	4,588	704	4,777	589
375	122	383	126	382	119	541	131	666	171	739	199
5,527	781	5,855	906	6,084	947	6,515	996	6,520	1,079	6,335	1,002
13,519	1,862	14,506	1,934	14,964	2,078	15,012	2,042	15,308	2,140	15,729	2,176
370	150	413	158	540	93	581	131	569	122	537	117
95	162	112	225	138	228	133	249	122	300	151	294
926	55	896	66	905	46	912	54	947	53	928	40
706	122	779	105	849	115	868	96	933	88	919	114
1,965	467	2,253	504	2,326	555	2,320	574	2,190	533	2,233	509
6,454	819	7,183	893	7,767	907	8,085	973	8,256	1,058	8,557	1,059
3,419	248	3,597	218	3,733	208	4,016	233	4,241	259	4,424	245
64	13	71	12	52	8	92	15	92	25	95	21
623	44	660	45	758	47	738	72	831	84	860	75
2,982	656	3,058	641	3,341	677	3,593	685	3,753	753	3,871	772
289	80	364	40	413	52	464	59	411	65	425	56
52,364	7,086	56,447	7,566	59,504	7,865	61,762	8,034	63,574	8,671	65,168	8,362

ENROLLMENT BY GENDER

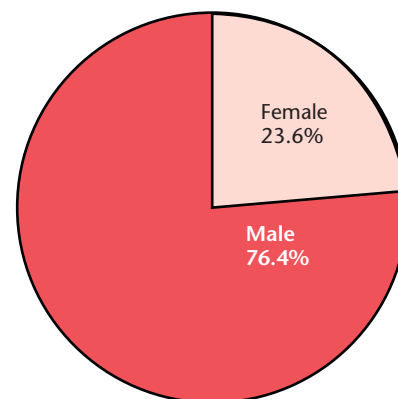
BACHELOR'S



MASTER'S

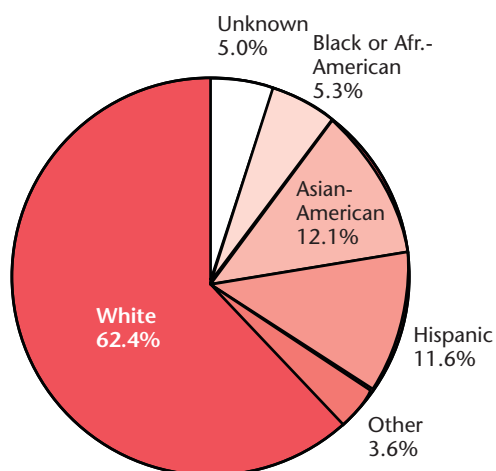


DOCTORAL

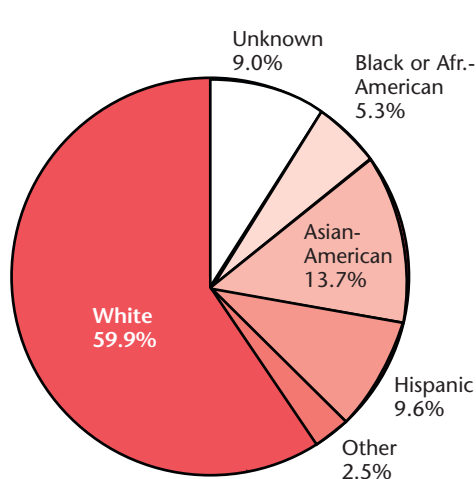


ENROLLMENT BY ETHNICITY*

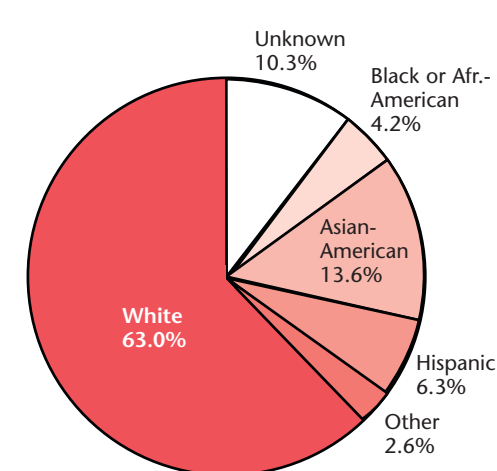
BACHELOR'S



MASTER'S



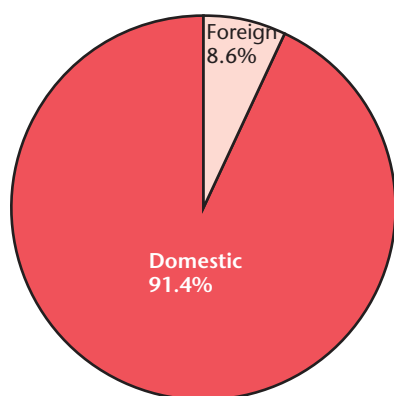
DOCTORAL



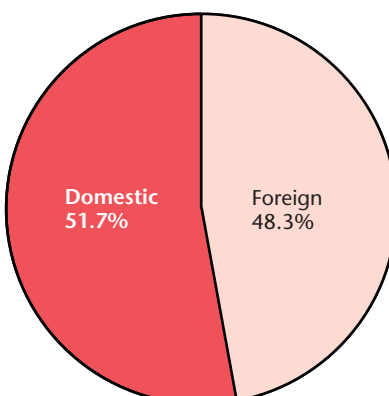
* Calculations for enrollment by ethnicity do not include foreign nationals.

ENROLLMENT BY RESIDENCY

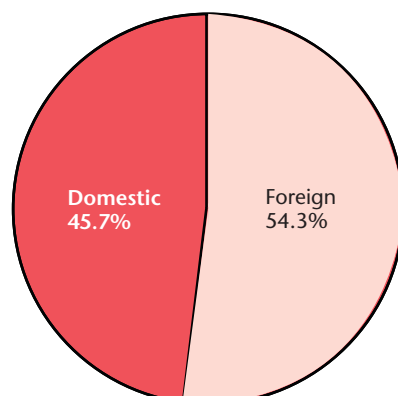
BACHELOR'S



MASTER'S



DOCTORAL



BACHELOR'S TOTAL*
543,942

MASTER'S TOTAL
112,634

DOCTORAL TOTAL
73,530

*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. Twelve of those institutions participated in the 2013 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 Waterloo	1,082
2. University of Toronto	966
3. University of British Columbia	889
4. University of Alberta	760
5. Ecole de Technologie Superieure	720
6. Ecole Polytechnique de Montreal	719
7. McMaster University	591
8. University of Calgary	580
9. McGill University	505
10. Concordia University, Montreal	458
11. University of Ottawa	335
12. The University of Western Ontario	216

ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL

1. Concordia University, Montreal	565
2. University of Waterloo	502
3. University of Toronto	483
4. University of British Columbia	300
5. Ecole Polytechnique de Montreal	296
6. University of Alberta	281
7. University of Ottawa	271
8. University of Calgary	213
9. Ecole de Technologie Superieure	195
10. The University of Western Ontario	185
11. McGill University	136

ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL

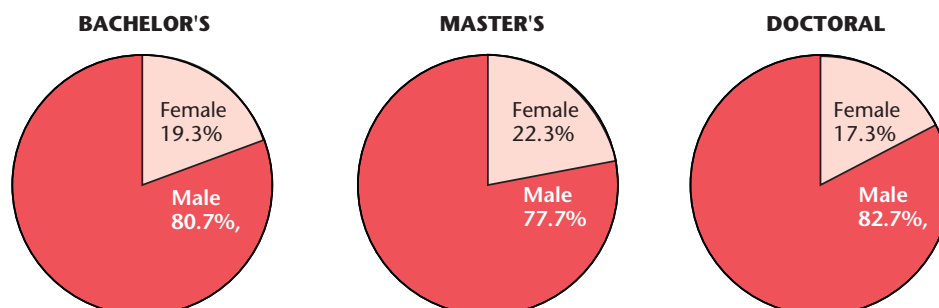
1. University of Waterloo	134
2. University of Alberta	111
3. University of Toronto	107
4. University of British Columbia	94
5. Ecole Polytechnique de Montreal	84
6. University of Calgary	75
7. McGill University	62
8. University of Western Ontario	54
8. Concordia University, Montreal	53
10. University of Ottawa	35
11. Ecole de Technologie Superieure	23

RESEARCH EXPENDITURES BY SCHOOL

(IN MILLIONS)

1. University of Alberta	\$51.2
2. Ecole Polytechnique de Montreal	\$45.2
3. University of British Columbia	\$35.5
4. University of Calgary	\$31.8
5. The University of Western Ontario	\$28.1
6. Concordia University, Montreal	\$12.9
7. University of Ottawa, Faculty of Engineering	\$10.0

ENGINEERING DEGREES AWARDED BY GENDER



TENURED/TENURE-TRACK FACULTY MEMBERS BY SCHOOL

1. University of Waterloo	259
2. Ecole Polytechnique de Montreal	236
3. University of Toronto	225
4. University of British Columbia	195
5. University of Alberta	192
6. Concordia University, Montreal	158
7. McMaster University	148
8. University of Calgary	140
9. Ecole de Technologie Superieure	138
10. McGill University	135
11. University of Ottawa	113
12. University of Western Ontario	92

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

