

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 99,173 for 2014. This continues a decade-long increase in bachelor's degrees, which have climbed 26 percent since 2005. With enrollment up by almost 8 percent between 2012 and 2013, growth in degrees is expected to continue. Within college populations, freshmen showed only a 1 percent increase over last year and sophomores a 3 percent gain; while juniors and seniors showed an 8 percent and a 6 percent gain, respectively. One possible conclusion when considering the overall 6 percent growth in enrollment and the larger increases in juniors and seniors is that the overall increase in enrollment is due to students transferring into engineering and not from students entering engineering programs as freshmen. Most engineering disciplines saw gains between 3 percent and 6 percent. The disciplines of Computer Science (Inside Engineering) and Management Engineering saw the largest gains among disciplines with an increase over last year of 12 percent. The disciplines of Mining Engineering and Nuclear Engineering saw the largest decreases among disciplines of negative 10.6 percent and negative 9.3 percent, respectively.

MASTER'S DEGREES AND ENROLLMENT

Master's increased 4 percent in 2014, compared with the previous year, and reached an all-time high of 51,690, representing a 22 percent increase since 2005. However, as with bachelor's degrees, Fall 2014 master's total enrollment (FT + PT) jumped 8 percent above the previous year to 122,699. Master's enrollment gains are attributed to an increase in the full-time student population, which swelled by 11 percent over 2013, similar to the 12 percent increase seen last year. Much of the increase came from a jump in students studying Computer Science and Electrical/Computer Engineering. Computer Science (inside engineering) which saw a 17 percent increase in enrollment of full-time Master's degree students over last year and Electrical/Computer Engineering saw a 12 percent increase.

DOCTORAL DEGREES AND ENROLLMENT

Doctoral degrees increased by 5 percent over 2013, reaching a new high. The 2014 mark of 11,309 represents a 35 percent increase in engineering doctorates since 2005. Doctorates should level off and could decline in the future since enrollment decreased by 4 percent between 2013 and 2014, and has decreased by 5 percent since 2010.

ENGINEERING STUDENTS FROM OTHER COUNTRIES

Nonresident aliens increased their share of engineering

bachelor's degrees for the fifth consecutive year, reaching 8.5 percent in 2014. After a decline in the percentage of nonresident aliens receiving a degree at the master's level in 2012, their share of degrees grew in 2014 to 47.4 percent. The percentage of nonresident aliens receiving a degree at the doctoral level decreased slightly from 2013 to 54.8 this year.

FEMALE ENGINEERING STUDENTS

Women received a higher percentage of engineering bachelor's degrees again, for the sixth straight year, climbing from 17.8 percent in 2009 to 19.9 percent in 2014. 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 24.2 percent of all master's degrees going to women. While an all-time high, this represents just a two-and-a-half-percentage-point increase over 2005, and continues a stable trend of the last 10 years. Women took 22.2 percent of doctoral degrees, a slight decrease from 2013, but in the decade since 2005 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.

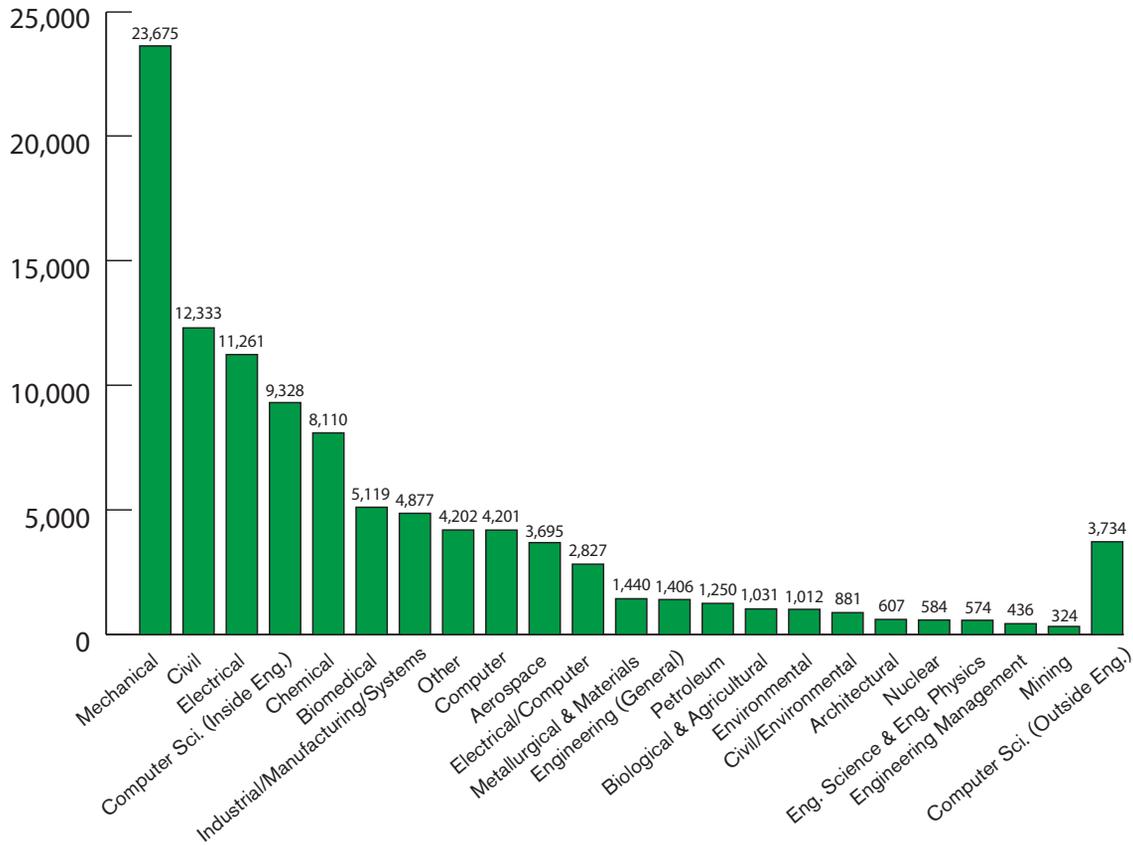
FACULTY

Women comprised 15.2 percent of tenured and tenure-track faculty as of fall 2013, continuing a slow increase since 2001, when they represented 8.9 percent. The percentage of women who are full professors increased from 9.4 percent in 2013 to 10.2 percent in 2014. Female associate professors increased from 17.0 percent in 2013 to 18.0 percent in 2014, 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 2.6 percent in 2013 to 2.5 percent in 2014. Asian tenured and tenure-track faculty increased from 25.2 percent to 25.6 percent, while Hispanic tenured and tenure-track faculty increased from 3.6 percent to 3.9 percent. American Indian and Hawaiian/Pacific Islanders, tenured and tenured track, fluctuated by a just few faculty members.

More detailed data for 358 U.S. and 9 Canadian engineering colleges can be found in the following pages of the *2014 Profiles of Engineering and Engineering Technology Colleges* or online at www.asee.org/colleges.

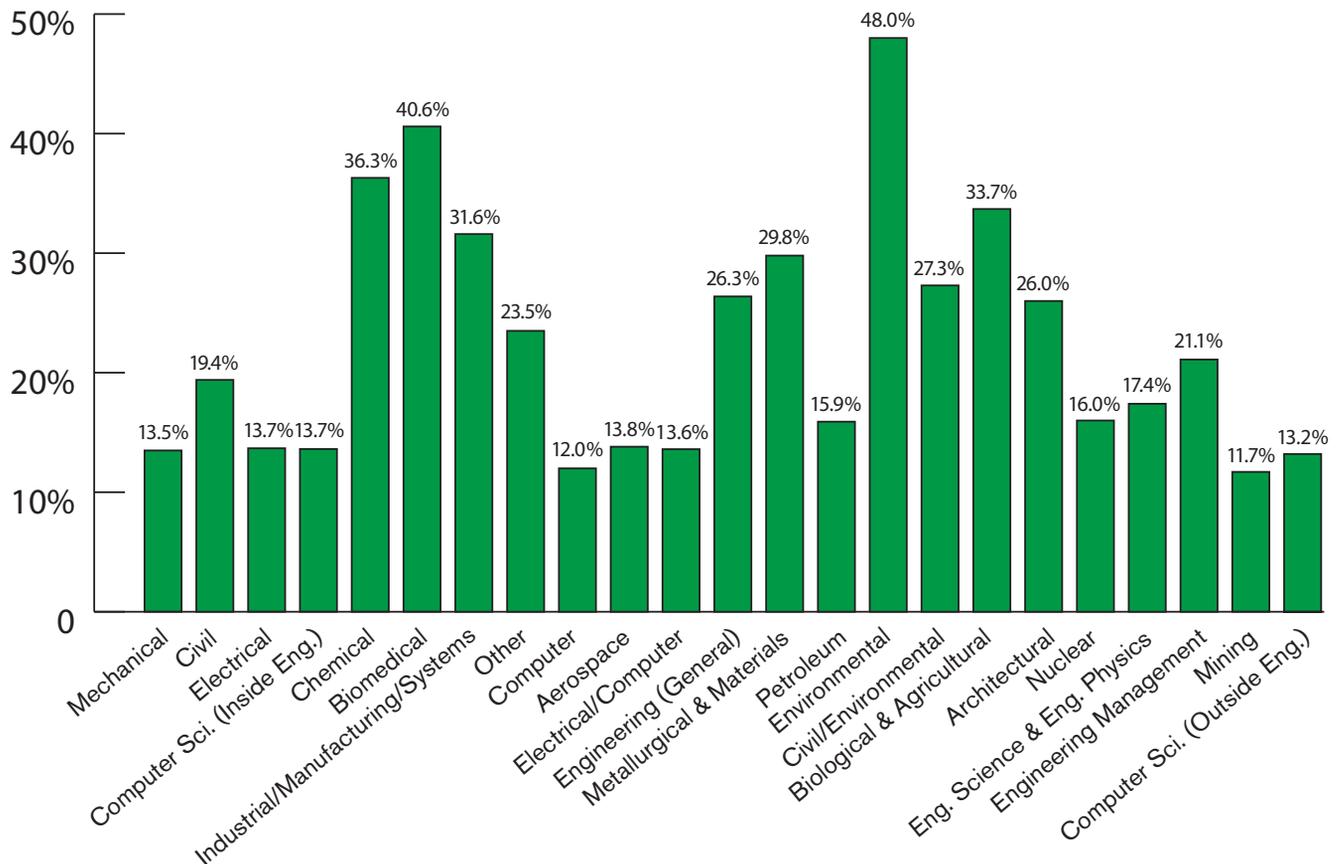
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BACHELOR'S DEGREES AWARDED BY ENGINEERING DISCIPLINE: 99,173



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

PERCENTAGE OF BACHELOR'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 19.5% OF TOTAL



ENGINEERING BACHELOR'S DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	1,977
2. Univ. of Illinois, Urbana-Champaign	1,782
3. The Pennsylvania State University	1,584
4. Texas A&M University	1,517
5. Virginia Tech	1,509
6. University of Michigan	1,492
7. Purdue University	1,477
8. The Ohio State University	1,300
9. North Carolina State University	1,274
10. University of California, Berkeley	1,195
11. The University of Texas at Austin	1,140
12. Iowa State University	1,121
13. University of Florida	1,086
14. University of Central Florida	1,068
15. California Polytechnic State University	1,056
16. University of California, San Diego	1,015
17. Arizona State University	988
18. University of Minnesota -Twin Cities	980
19. University of Washington	927
20. University of Maryland, College Park	893
21. Colorado School of Mines	889
22. Missouri Univ. of Science and Tech.	866
23. Oregon State University	820
24. California State Poly. U., Pomona	800
25. University at Buffalo, SUNY	777
26. Clemson University	776
27. Cornell University	766
28. Rutgers University	753
29. University of Colorado Boulder	729
30. University of California, Los Angeles	720
31. Louisiana State University	700
32. University of Wisconsin, Madison	692
33. Florida International University	681
34. Auburn University	675
34. Massachusetts Inst. of Technology	675
36. University of California, Irvine	668
37. University of California, Davis	657
38. University of Southern California	639
38. Worcester Polytechnic Institute	637
40. Michigan Technological University	630
40. Rensselaer Polytechnic Institute	630
42. Stony Brook University	615
43. Texas Tech University	611
44. Drexel University	591
45. University of Virginia	572
46. Michigan State University	565
47. California State Univ., Long Beach	547
48. University of Calgary	545
49. West Virginia University	543
50. George Mason University	541

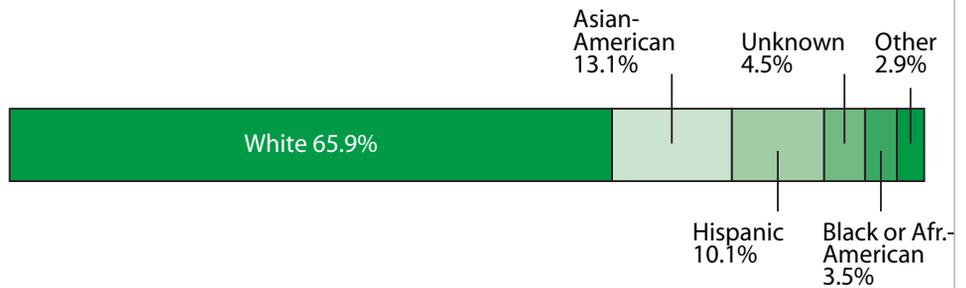
347 schools reported.

BACHELOR'S DEGREES BY GENDER, 2014



	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	19.5%	19.3%	18.1%	18.0%	17.8%	18.1%	18.4%	18.9%	19.1%
Male	80.5%	80.7%	81.9%	82.0%	82.2%	81.9%	81.6%	81.1%	80.9%

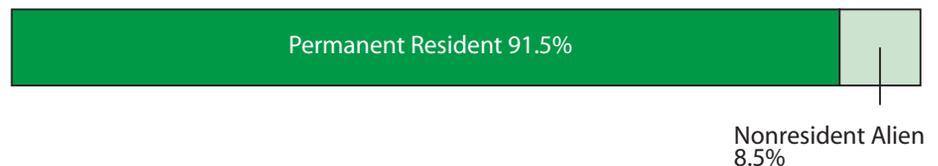
BACHELOR'S DEGREES BY ETHNICITY, 2014*



	2005	2006	2007	2008	2009	2010	2011	2012	2013
Black or African American	5.3%	5.0%	4.9%	4.7%	4.6%	4.5%	4.2%	4.2%	4.3%
Hispanic	5.8%	6.0%	6.2%	6.5%	6.6%	7.0%	8.5%	9.0%	9.3%
Other	8.6%	8.5%	8.3%	8.9%	11.0%	1.2%	1.6%	2.0%	2.3%
Asian American	14.1%	13.8%	13.3%	13.0%	12.4%	12.2%	12.2%	12.2%	12.9%
White	66.2%	66.7%	67.3%	66.9%	65.4%	69.8%	66.6%	66.2%	65.7%
Unknown						5.3%	6.9%	6.5%	5.6%

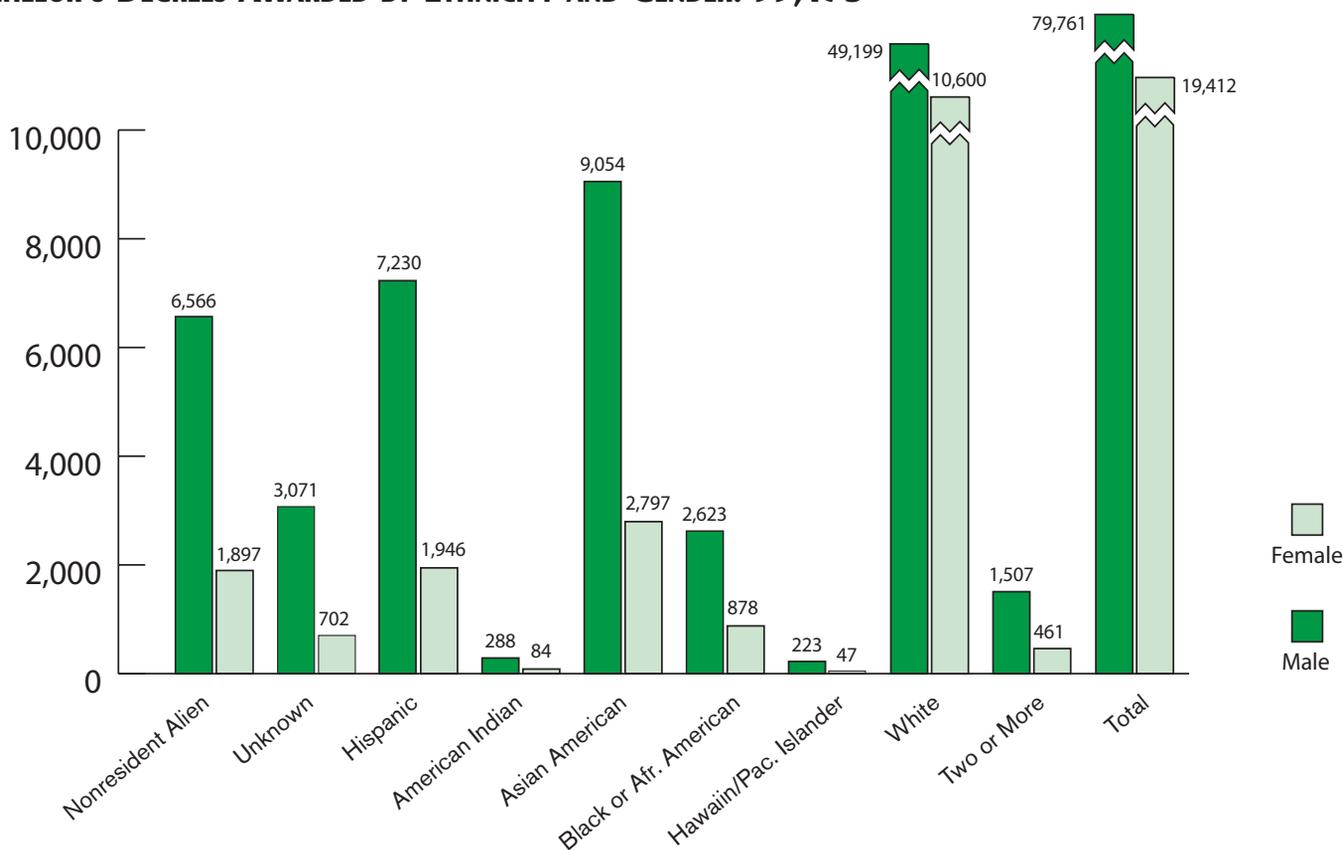
*American Indians (0.4%), Hawaiian/Pacific Islanders (0.3%) and Two or More (1.9%) are combined under Other.

BACHELOR'S DEGREES BY RESIDENCY, 2014



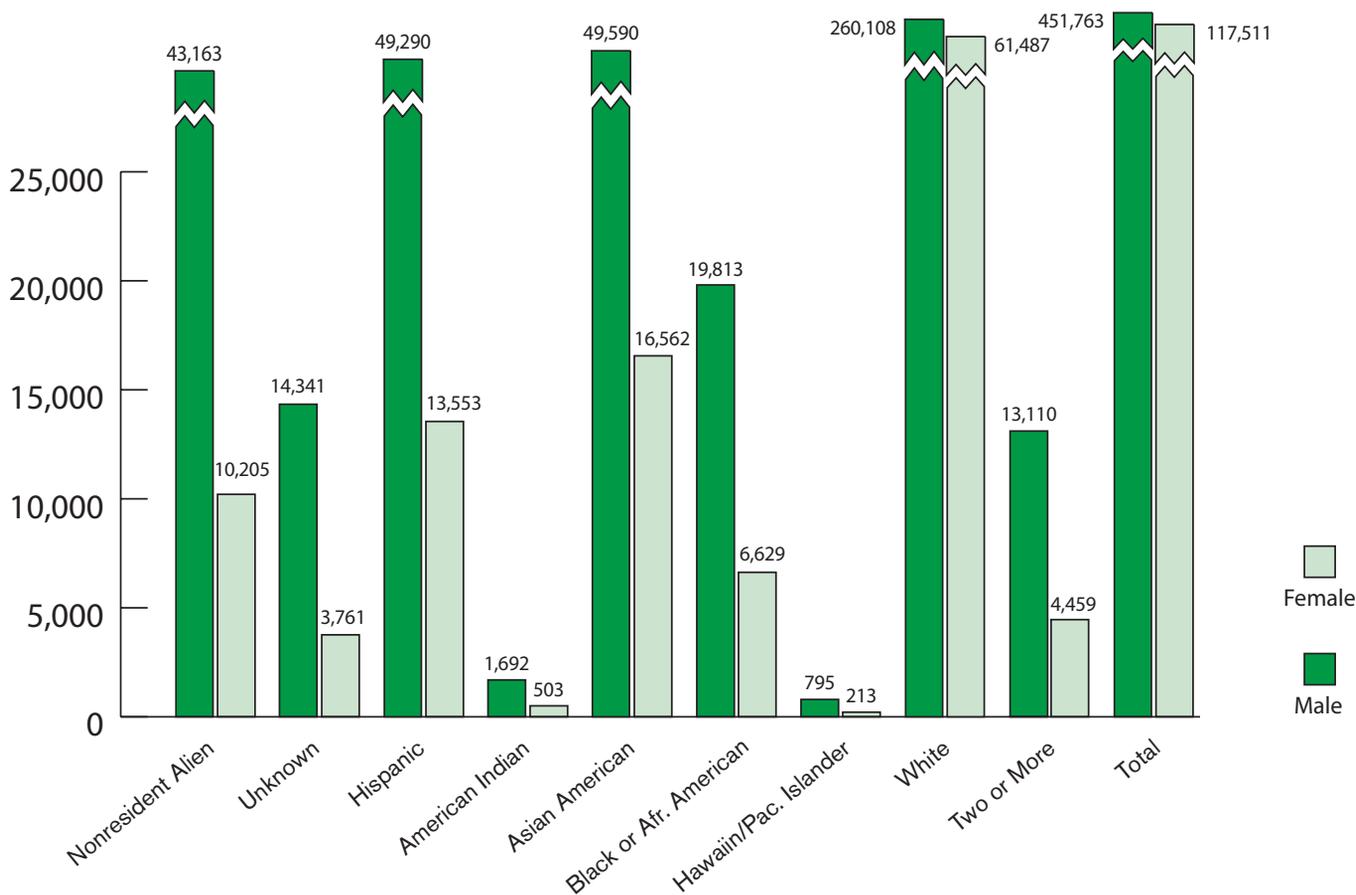
	2005	2006	2007	2008	2009	2010	2011	2012	2013
Nonresident Alien	7.5%	7.2%	6.7%	6.0%	6.0%	6.2%	6.7%	7.5%	7.8%
Permanent Resident	92.5%	92.8%	93.3%	94.0%	94.0%	93.8%	93.3%	92.5%	92.2%

BACHELOR'S DEGREES AWARDED BY ETHNICITY AND GENDER: 99,173*



* Includes 677 male and 256 female graduates from schools in Puerto Rico.

UNDERGRADUATE ENROLLMENT BY ETHNICITY AND GENDER: 569,274*



BACHELOR'S DEGREES AWARDED TO WOMEN BY SCHOOL

1. Georgia Institute of Technology	459
2. University of Michigan	315
3. Univ. of Illinois, Urbana-Champaign	307
4. Purdue University	303
5. Texas A&M University	302
6. Massachusetts Inst. of Technology	287
7. The University of Texas at Austin	283
8. The Pennsylvania State University	281
9. University of Florida	271
10. Cornell University	270
11. University of California, Berkeley	269
12. Virginia Tech	245
13. Colorado School of Mines	236
14. The Ohio State University	232
15. University of Washington	221
16. North Carolina State University	216
17. Worcester Polytechnic Institute	214
18. University of California, San Diego	210
19. Iowa State University	204
20. California Polytechnic State University	200
21. University of Southern California	193
22. University of Maryland, College Park	192
23. Arizona State University	169
23. Clemson University	169
23. Rensselaer Polytechnic Institute	169
26. University of Virginia	165
27. Missouri Univ. of Science and Tech.	163
28. University of Colorado Boulder	162
29. University of Puerto Rico, Mayaguez	158
30. University of Central Florida	156
30. University of California, Davis	156
30. Stanford University	156
33. University of Minnesota -Twin Cities	153
34. University of California, Los Angeles	148
35. University of California, Irvine	147
36. University of Pennsylvania	145
37. Stony Brook University	144
38. University of Wisconsin, Madison	137
39. Columbia University	134
40. Louisiana State University	133
41. University at Buffalo, SUNY	132
42. Michigan Technological University	131
43. Rutgers University	130
43. Auburn University	130
45. Florida International University	124
46. Northwestern University	123
47. Drexel University	121
47. University of Pittsburgh	121
49. Lehigh University	119
50. Oregon State University	118

347 schools reported.

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

1. Massachusetts Inst. of Technology	42.5%
2. University of Pennsylvania	38.7%
3. Cornell University	35.2%
4. Worcester Polytechnic Institute	33.6%
5. North Carolina A&T State Univ.	32.8%
5. University of Notre Dame	32.8%
7. Southern Methodist University	32.7%
8. William Marsh Rice University	32.5%
8. Princeton University	32.5%
10. Harvard University	32.3%
11. Columbia University	32.2%
12. Northwestern University	32.1%
13. Santa Clara University	30.6%
14. University of Southern California	30.2%
15. Duke University	30.1%
16. University of Puerto Rico, Mayaguez	29.5%
17. Carnegie Mellon University	28.9%
18. University of Virginia	28.8%
19. The Johns Hopkins University	28.7%
20. Stanford University	28.6%

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

1. North Carolina A&T State Univ.	163
2. Georgia Institute of Technology	96
3. Morgan State University	74
4. University of Florida	65
5. Florida International University	61
6. University of Central Florida	60
7. Alabama A&M University	58
8. FAMU-FSU College of Engineering	54
9. University of Maryland, College Park	53
9. Southern Univ. and A&M College	53
11. Massachusetts Inst. of Technology	47
12. The Ohio State University	45
12. City College of the CUNY	45
12. Tuskegee University	45
15. North Carolina State University	44
16. Mississippi State University	42
17. Florida Atlantic University	39
18. Tennessee State University	38
19. Missouri Univ. of Science and Tech.	37
19. Auburn University	37

347 schools reported.

BACHELOR'S DEGREES AWARDED TO ASIAN-AMERICANS BY SCHOOL

1. University of California, Berkeley	619
2. University of California, San Diego	514
3. Georgia Institute of Technology	386
4. University of California, Los Angeles	361
5. University of California, Irvine	326
6. Univ. of Illinois, Urbana-Champaign	311
7. The University of Texas at Austin	261
8. University of California, Davis	255
9. Rutgers University	251
10. University of Washington	245
11. California State Poly. U., Pomona	200
12. University of Southern California	198
13. University of Michigan	188
14. California Polytechnic State University	181
15. Cornell University	172
15. San Jose State University	172
17. University of Maryland, College Park	158
17. Massachusetts Inst. of Technology	158
19. George Mason University	153
20. Stanford University	139

347 schools reported.

BACHELOR'S DEGREES AWARDED TO HISPANICS BY SCHOOL

1. University of Puerto Rico, Mayaguez	534
2. Florida International University	469
3. Polytechnic University of Puerto Rico	399
4. The University of Texas at El Paso	273
5. University of Florida	229
6. University of Central Florida	222
7. Texas A&M University	215
8. California State Poly. U., Pomona	207
9. The University of Texas at Austin	196
10. Arizona State University	157
11. California State University, Long Beach	146
12. California Polytechnic State University	139
13. The University of Texas at San Antonio	133
14. The University of Texas-Pan American	132
15. Georgia Institute of Technology	129
16. University of California, San Diego	112
17. Texas A&M University - Kingsville	109
18. Massachusetts Institute of Technology	102
19. San Diego State University	100
20. California State University, Los Angeles	99

347 schools reported.

AEROSPACE ENGINEERING DEGREES AWARDED BY SCHOOL

1. Embry Riddle Aero. U., Daytona Beach	200
2. Univ. of Illinois, Urbana-Champaign	184
3. Georgia Institute of Technology	142
4. Purdue University	137
5. University of Michigan	130
6. Virginia Tech	108
7. The University of Texas at Austin	105
8. University of Maryland, College Park	104
9. California Polytechnic State University	103
10. Texas A&M University	100
11. The Pennsylvania State University	93
12. Iowa State University	87
13. University of Central Florida	84
14. University of Colorado Boulder	81
15. The University of Texas at Arlington	76
16. California State Poly. U., Pomona	74
16. U.S. Naval Academy	74
18. University of Florida	73
19. Arizona State University	68
20. University of Minnesota -Twin Cities	66

65 schools reported.

BIOMEDICAL ENGINEERING DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	230
2. Boston University	122
2. Rutgers	122
4. University of California, Irvine	119
5. Duke University	114
6. Worcester Polytechnic Institute	113
7. The Johns Hopkins University	109
8. Arizona State University	108
9. University of California, San Diego	107
10. Clemson University	98
11. University of California, Berkeley	96
12. California Polytechnic State University	91
13. Case Western Reserve University	87
13. University of Michigan	87
15. Washington University in St. Louis	86
16. University of Maryland, College Park	82
17. University of Minnesota -Twin Cities	81
17. Texas A&M University	81
19. University of Pennsylvania	77
20. Rensselaer Polytechnic Institute	76

107 schools reported.

CHEMICAL ENGINEERING DEGREES AWARDED BY SCHOOL

1. The Ohio State University	176
2. Georgia Institute of Technology	165
3. North Carolina State University	158
4. Texas A&M University	155
5. Purdue University	140
6. The Pennsylvania State University	138
7. The University of Texas at Austin	137
8. University of Michigan	135
9. University of Minnesota -Twin Cities	128
10. University of California, Berkeley	124
11. Univ. of Illinois, Urbana-Champaign	120
12. University of California, San Diego	109
13. Colorado School of Mines	106
14. Montana State University	104
15. Iowa State University	103
16. University of Florida	99
16. University of Pittsburgh	99
18. Oregon State University	98
19. Virginia Tech	96
20. University of Colorado Boulder	93
21. University of California, Davis	91
22. University of California, Los Angeles	90
23. Auburn University	89
23. University of Wisconsin, Madison	89
25. The University of Alabama	88
26. University of Puerto Rico, Mayaguez	87
27. University of Notre Dame	85
28. Cornell University	82
29. Arizona State University	77
29. Michigan State University	77
31. University of Delaware	76
32. Louisiana State University	75
32. Michigan Technological University	75
34. Missouri Univ. of Science and Tech.	73
35. University of Maryland, College Park	72
36. Brigham Young University	70
36. Rutgers	70
38. University of Massachusetts Amherst	69
39. University of Arkansas	66
39. Rensselaer Polytechnic Institute	66
39. Rose-Hulman Institute of Technology	66
39. University of South Florida	66
43. University of Cincinnati	64
43. Worcester Polytechnic Institute	64
45. Northeastern University	63
46. The Johns Hopkins University	62
46. Massachusetts Inst. of Technology	62
48. University at Buffalo, SUNY	61
49. University of Oklahoma	60
50. Colorado State University	59

158 schools reported.

CIVIL ENGINEERING DEGREES AWARDED BY SCHOOL

1. California State Poly. U., Pomona	231
2. Univ. of Illinois, Urbana-Champaign	228
3. Purdue University	206
4. Texas A&M University	203
5. Iowa State University	175
5. Virginia Tech	175
7. University of California, Davis	164
8. The Pennsylvania State University	161
9. Georgia Institute of Technology	152
10. North Carolina State University	149
11. Clemson University	147
12. California Polytechnic State University	134
12. University at Buffalo, SUNY	134
14. University of Maryland, College Park	131
15. New Jersey Institute of Technology	126
16. The University of Texas at Austin	125
17. University of California, San Diego	124
18. Washington State University	122
19. University of Florida	117
20. Rutgers	116
21. University of California, Irvine	112
21. University of Central Florida	112
21. The Ohio State University	112
24. The University of Alabama	108
24. Michigan Technological University	108
24. University of Puerto Rico, Mayaguez	108
24. San Jose State University	108
28. University of Wisconsin, Madison	106
29. Louisiana State University	102
30. University of Michigan	101
30. Oregon State University	101
32. University of Nebraska, Lincoln	99
33. California State University, Sacramento	98
33. Manhattan College	98
35. University of Minnesota -Twin Cities	97
35. University of Washington	97
37. Auburn University	96
38. University of South Florida	94
38. Texas Tech University	94
40. Clarkson University	92
41. University of California, Berkeley	91
42. University of Delaware	90
43. University of California, Los Angeles	89
43. University of Pittsburgh	89
45. Missouri Univ. of Science and Tech.	88
45. San Diego State University	88
45. The University of Texas at San Antonio	88
48. Northeastern University	87
49. Florida International University	86
50. California State University, Long Beach	85

218 schools reported.

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

1. Georgia Institute of Technology	350
2. University of Michigan	209
3. Virginia Tech	193
4. The Pennsylvania State University	182
5. Purdue University	180
6. Texas A&M University	159
7. The Ohio State University	126
8. University of Florida	120
9. Cornell University	108
10. West Virginia University	92
11. Northwestern University	88
12. Iowa State University	83
13. California Polytechnic State University	81
14. University of Central Florida	77
15. Oregon State University	75
16. Columbia University	73
17. Clemson University	70
18. University of Wisconsin, Madison	68
19. University of Southern California	67
20. SUNY, Binghamton	66
21. University of Pittsburgh	64
22. Washington University in St. Louis	63
23. Stanford University	62
24. Auburn University	61
24. University of Puerto Rico, Mayaguez	61
26. Arizona State University	60
26. California State Poly. U., Pomona	60
28. University of California, Berkeley	57
29. Polytechnic University of Puerto Rico	55
30. University of Washington	52
31. University of Arkansas	51
32. University of Miami	49
32. North Carolina State University	49
34. University of Wisconsin, Stout	48
35. North Dakota State University	47
36. Northeastern University	46
37. University of Oklahoma	44
37. University of South Florida	44
39. The University of Iowa	43
40. University of Arizona	41
40. Univ. of Illinois, Urbana-Champaign	41
42. Rensselaer Polytechnic Institute	40
43. Lehigh University	39
44. Kansas State University	38
44. Mississippi State University	38
44. University of Missouri	38
44. Rochester Institute of Technology	38
48. New Jersey Institute of Technology	37
49. George Mason University	35
49. University at Buffalo, SUNY	35

110 schools reported.

**MECHANICAL ENGINEERING
DEGREES AWARDED BY SCHOOL**

1. Georgia Institute of Technology	454
2. Purdue University	360
3. Virginia Tech	320
4. The Pennsylvania State University	314
5. Iowa State University	299
6. University of Florida	271
7. University of Michigan	260
8. University of Central Florida	259
9. University of Maryland, College Park	256
10. The Ohio State University	255
11. Texas A&M University	246
11. The University of Texas at Austin	246
13. North Carolina State University	238
14. University of Minnesota -Twin Cities	232
15. Colorado School of Mines	223
16. Univ. of Illinois, Urbana-Champaign	211
17. Texas Tech University	208
18. Rutgers	199
19. California Polytechnic State University	196
20. Missouri Univ. of Science and Tech.	194
21. University at Buffalo, SUNY	191
22. California State Poly. U., Pomona	189
23. Michigan Technological University	188
24. University of California, Irvine	184
24. Northeastern University	184
26. Worcester Polytechnic Institute	176
27. Washington State University	174
28. Arizona State University	171
29. Clemson University	170
29. Rensselaer Polytechnic Institute	170
31. University of Wisconsin, Madison	168
32. Drexel University	167
33. Kettering University	166
34. University of California, Davis	165
35. Stevens Institute of Technology	161
36. University of Colorado Boulder	158
36. Rose-Hulman Institute of Technology	158
38. Massachusetts Inst. of Technology	157
39. University of California, San Diego	153
40. California State University, Long Beach	150
41. Cornell University	149
42. Rochester Institute of Technology	148
43. University of California, Berkeley	147
43. Univ. of North Carolina, Charlotte	147
43. Oklahoma State University	147
46. Michigan State University	146
47. Kansas State University	141
47. Oregon State University	141
49. University of Wisconsin, Platteville	137
50. Auburn University	134
50. Colorado State University	134

283 schools reported.

**ELECTRICAL ENGINEERING
DEGREES AWARDED BY SCHOOL**

1. Univ. of Illinois, Urbana-Champaign	296
2. Georgia Institute of Technology	233
3. University of Washington	178
4. The Pennsylvania State University	171
5. North Carolina State University	158
6. University of California, Los Angeles	151
7. Texas A&M University	149
8. Purdue University	144
8. Virginia Tech	144
10. University of Maryland, College Park	140
11. California State Poly. U., Pomona	134
12. University of Central Florida	133
13. Florida International University	132
14. University of Michigan	128
15. California Polytechnic State University	122
16. University of California, San Diego	114
17. University of Minnesota -Twin Cities	113
18. Arizona State University	110
18. University of Florida	110
20. Michigan Technological University	106
21. Iowa State University	105
21. The University of Texas at Dallas	105
23. University of Illinois at Chicago	100
24. SUNY, Binghamton	97
25. University at Buffalo, SUNY	91
26. Auburn University	87
26. Missouri Univ. of Science and Tech.	87
28. Rochester Institute of Technology	84
28. The University of Texas at El Paso	84
30. The University of Texas at San Antonio	82
31. Drexel University	81
32. California State University, Los Angeles	79
33. California State University, Long Beach	77
33. Clemson University	77
33. Northeastern University	77
36. University of Massachusetts Lowell	76
37. University of Puerto Rico, Mayaguez	75
38. University of California, Davis	72
38. San Jose State University	72
40. University of Missouri	71
40. City College of the CUNY	71
40. University of Southern California	71
43. Rensselaer Polytechnic Institute	70
44. New Jersey Institute of Technology	69
45. FAMU-FSU College of Engineering	68
45. Polytechnic University of Puerto Rico	68
47. New Mexico State University	67
47. University of South Florida	67
49. Northern Illinois University	65
49. Stony Brook University	65

256 schools reported.

COMPUTER ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of California, Berkeley	184
2. Iowa State University	116
3. North Carolina State University	101
4. Virginia Tech	85
5. Georgia Institute of Technology	84
6. Purdue University	83
7. University of Central Florida	82
8. University of Florida	81
9. University of Michigan	78
10. Florida International University	70
11. San Jose State University	65
12. California Polytechnic State University	64
12. University of Washington	64
14. University of Wisconsin, Madison	63
15. The Pennsylvania State University	62
16. California State Poly. U., Pomona	60
17. University of Puerto Rico, Mayaguez	58
18. University of Maryland, College Park	56
19. Arizona State University	55
20. Rochester Institute of Technology	53
21. Boston University	50
21. Missouri Univ. of Science and Tech.	50
23. Northeastern University	48
23. University of South Florida	48
25. Florida Atlantic University	46
25. Santa Clara University	46
27. University of Michigan-Dearborn	44
28. University of Nevada, Reno	43
28. Polytechnic University of Puerto Rico	43
30. University of California-Santa Cruz	41
31. Michigan Technological University	40
32. California State University, Long Beach	39
33. Clemson University	38
34. The University of Texas at Dallas	37
35. University of Minnesota -Twin Cities	36
36. University of California, Santa Barbara	35
36. Milwaukee School of Engineering	35
36. University of Nebraska, Lincoln	35
36. Rensselaer Polytechnic Institute	35
36. San Diego State University	35
41. University of Massachusetts Amherst	34
42. University of Pittsburgh	32
43. Illinois Institute of Technology	31
43. Univ. of Maryland, Baltimore County	31
45. Univ. of North Carolina, Charlotte	30
45. University of Virginia	30
47. Michigan State University	29
47. NYU Polytechnic School of Engineering	29
49. University of California, Irvine	28
49. Drexel University	28
49. West Virginia University	28

177 schools reported.

ELECTRICAL/COMPUTER ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of California, Berkeley	401
2. The University of Texas at Austin	269
3. The Ohio State University	203
4. Carnegie Mellon University	136
5. Rutgers	129
6. Brigham Young University	115
7. Worcester Polytechnic Institute	94
8. Oregon State University	90
9. New York Institute of Technology	89
10. Massachusetts Inst. of Technology	84
11. Colorado School of Mines	76
12. The University of Iowa	68
13. Cornell University	64
14. University of Arizona	58
15. Oklahoma State University	57
16. Southern Illinois University Carbondale	51
17. Duke University	48
18. Texas A&M University	47
19. Colorado State University	44
19. The University of Toledo	44

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

1. Georgia Institute of Technology	286
2. University of California, Irvine	266
3. The University of Texas at Austin	237
4. University of Maryland, College Park	218
5. University of Wisconsin, Madison	195
6. Carnegie Mellon University	180
7. Purdue University	156
8. University of California, Davis	133
9. Rochester Institute of Technology	114
10. New Jersey Institute of Technology	111
11. Brigham Young University	105
12. University of Massachusetts Amherst	102
13. University of Arizona	99
13. Northeastern University	99
15. Rensselaer Polytechnic Institute	98
16. Rutgers	95
17. University of Pittsburgh	83
18. University of Houston	80
19. Boston University	78
20. Drexel University	64

57 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	281
1. University of Central Florida	281
3. Univ. of Illinois, Urbana-Champaign	263
4. Massachusetts Inst. of Technology	211
4. University of Michigan	211
6. Stanford University	210
7. Florida International University	199
8. University of Minnesota -Twin Cities	197
9. The University of Texas at Dallas	172
10. Stony Brook University	164
11. The Ohio State University	158
12. University of Southern California	157
12. Virginia Tech	157
14. North Carolina State University	153
15. University of Washington	149
16. Oregon State University	147
17. Arizona State University	140
18. University of California, Los Angeles	135
19. Univ. of Maryland, Baltimore County	126
20. University of Pennsylvania	116
21. Cornell University	115
22. Texas A&M University	114
23. SUNY, Binghamton	110
24. California Polytechnic State University	102
25. Florida Atlantic University	99
26. University at Buffalo, SUNY	98
27. Auburn University	96
28. University of Utah	94
29. The Pennsylvania State University	93
30. University of Colorado Boulder	89
31. University of Missouri	88
32. Harvard University	87
32. University of South Florida	87
34. University of North Texas	84
35. Princeton University	83
36. University of California-Santa Cruz	81
36. Michigan State University	81
38. New York Institute of Technology	79
39. California State University, Northridge	77
40. George Mason University	76
41. University of California, Santa Barbara	73
41. University of Illinois at Chicago	73
41. The University of Texas at Arlington	73
44. University of Virginia	71
45. California State University, Long Beach	70
45. University of Connecticut	70
47. Portland State University	69
48. Missouri Univ. of Science and Tech.	66
49. University of Kentucky	63
50. The University of Texas at El Paso	62

167 schools reported.

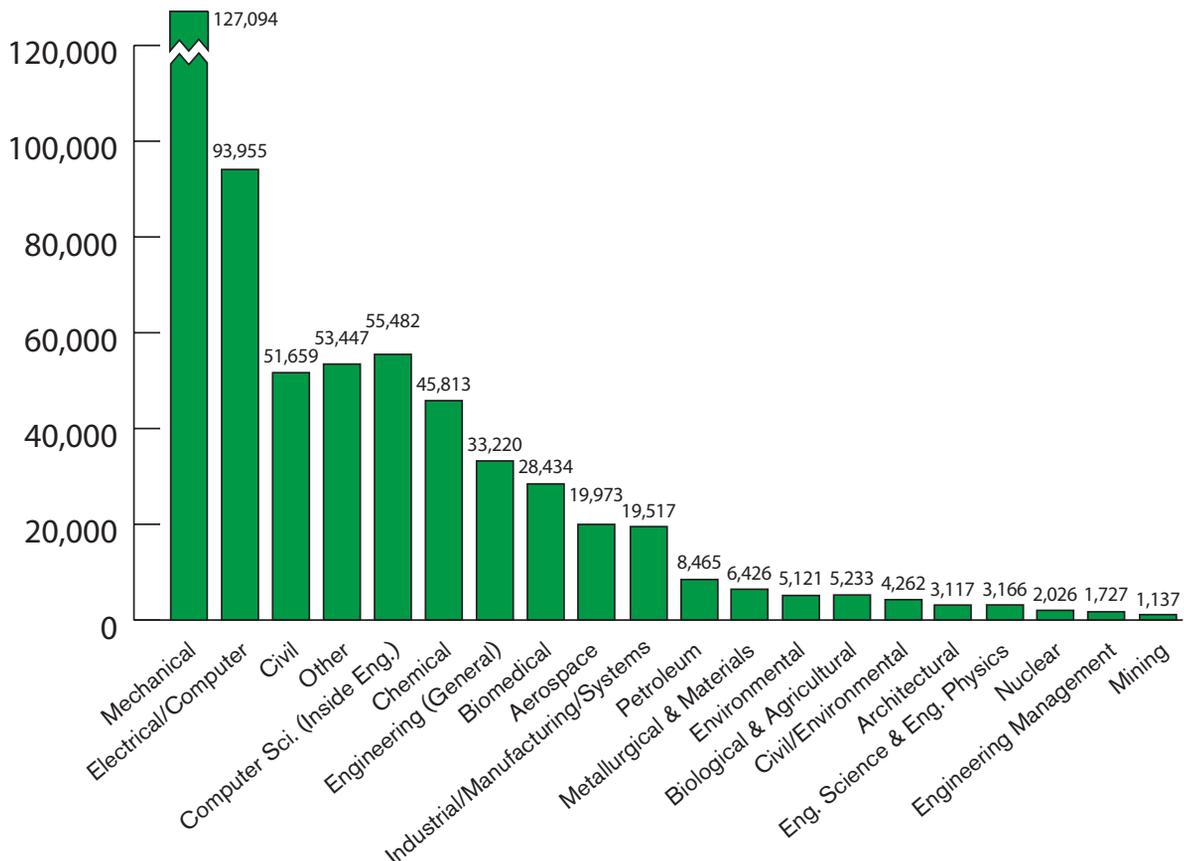
UNDERGRADUATE ENROLLMENT BY SCHOOL*

1. Arizona State University	9,865	23. Missouri Univ. of Science and Tech.	4,908	45. San Jose State University	3,572
2. Texas A&M University	9,661	24. University of Wisconsin Madison	4,872	46. University of Utah	3,561
3. Georgia Institute of Technology	9,256	25. The University of Alabama	4,780	47. University of Nebraska Lincoln	3,474
4. Univ. of Illinois, Urbana-Champaign	8,817	26. California State Poly. U., Pomona	4,755	48. Cornell University	3,434
5. Purdue University	7,877	27. Auburn University	4,618	49. The University of Texas at Arlington	3,376
6. The Pennsylvania State University	7,803	28. Texas Tech University	4,542	50. Rochester Institute of Technology	3,341
7. The Ohio State University	7,752	29. Colorado School of Mines	4,383		
8. Iowa State University	7,688	30. Drexel University	4,205		
9. University of Central Florida	7,501	31. University of California Berkeley	4,200		
10. Virginia Tech	7,410	32. University of Puerto Rico, Mayaguez	4,182		
11. University of California San Diego	6,849	33. University of Maryland College Park	4,004		
12. North Carolina State University	6,584	34. University of Minnesota -Twin Cities	4,001		
13. Oregon State University	6,578	35. University of South Florida	3,983		
14. University of Florida	6,376	36. University of Colorado Boulder	3,972		
15. University of Michigan	6,002	37. University of Oklahoma	3,877		
16. California Polytechnic State University	5,954	38. California State University Long Beach	3,868		
17. Louisiana State University	5,821	39. George Mason University	3,850		
18. The University of Texas at Austin	5,634	40. West Virginia University	3,778		
19. Florida International University	5,159	41. California State University Northridge	3,713		
20. Clemson University	5,093	42. Michigan Technological University	3,647		
21. Michigan State University	4,954	43. University of California Davis	3,642		
22. University of Washington	4,952	44. Rutgers	3,583		

352 schools reported.

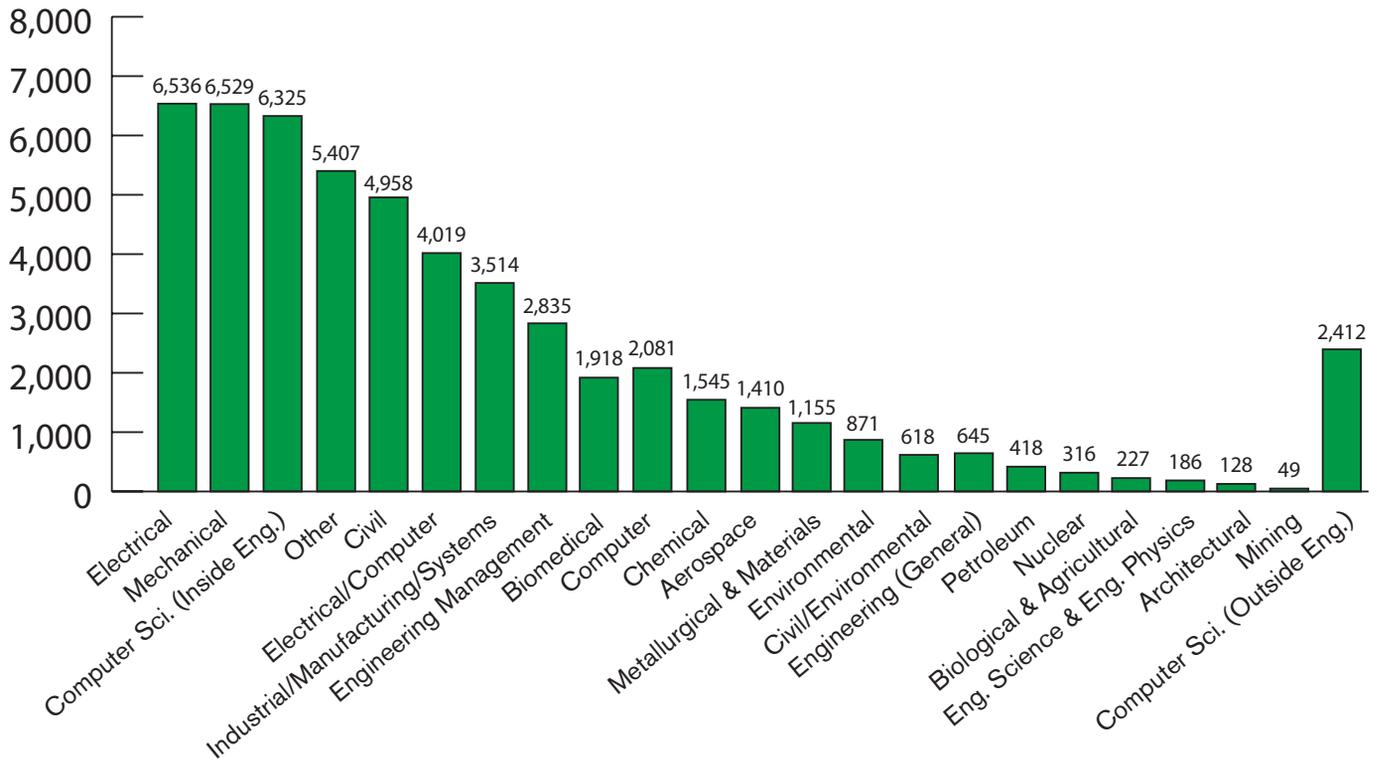
*Some schools do not permit formal enrollment in their engineering colleges until the second or third year. Enrollment is full-time plus part-time students.

UNDERGRADUATE ENROLLMENT BY DISCIPLINE: 569,274*



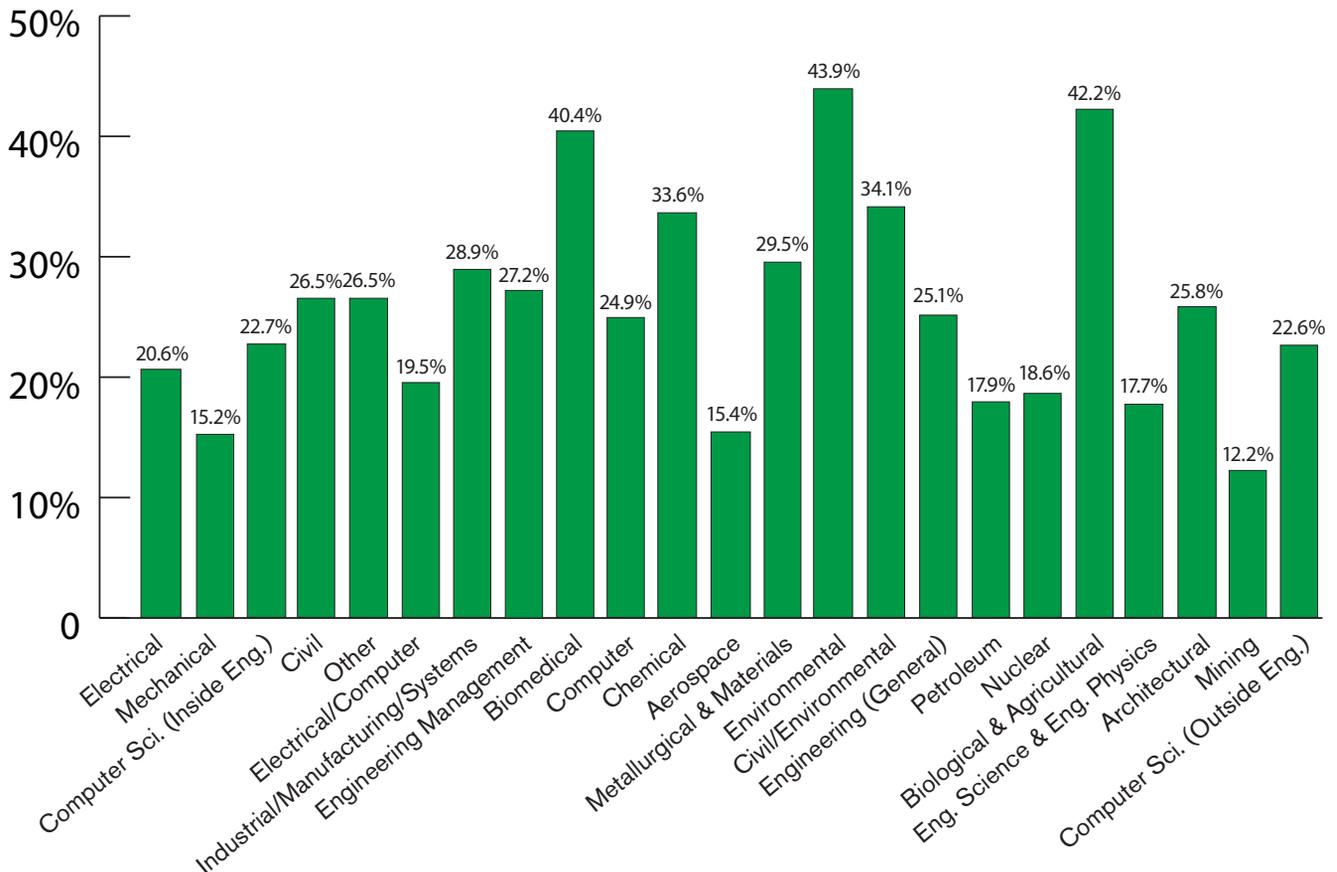
* Enrollment is for full-time bachelor's degree candidates in engineering. Total does not include Computer Science (outside engineering).

MASTER'S DEGREES AWARDED BY DISCIPLINE: 51,690*



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

PERCENTAGE OF MASTER'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 24.2% OF TOTAL



ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL

1. University of Southern California	1,758
2. University of Florida	1,176
3. The Johns Hopkins University	1,124
4. Georgia Institute of Technology	1,104
5. Columbia University	1,065
6. Stanford University	1,046
7. University of Michigan	1,020
8. Stevens Institute of Technology	954
9. Carnegie Mellon University	947
10. Arizona State University	903
11. NYU Polytechnic School of Engineering	871
12. North Carolina State University	847
13. Massachusetts Inst. of Technology	774
14. Cornell University	766
15. Univ. of Illinois, Urbana-Champaign	707
16. The George Washington University	675
17. San Jose State University	639
18. The University of Texas at Dallas	613
19. New Jersey Institute of Technology	603
20. University of California, Los Angeles	586
20. Northeastern University	586
22. University of Pennsylvania	575
23. Purdue University	574
24. Texas A&M University	549
25. University of California, Berkeley	509
25. University of Washington	509
27. University at Buffalo, SUNY	503
28. Stony Brook University	499
29. George Mason University	497
30. The Ohio State University	491
31. University of Colorado Boulder	488
32. Northwestern University	484
33. University of Maryland, College Park	459
34. Missouri Univ. of Science and Tech.	458
35. The University of Texas at Austin	457
36. Virginia Tech	438
37. University of Wisconsin, Madison	432
38. University of California, San Diego	429
39. The University of Texas at Arlington	403
40. Worcester Polytechnic Institute	388
41. University of Central Florida	384
42. University of Minnesota -Twin Cities	380
43. Drexel University	376
44. Illinois Institute of Technology	363
45. Colorado School of Mines	354
46. University of Illinois at Chicago	337
47. Clemson University	328
48. Syracuse University	324
49. Florida International University	321
50. The Pennsylvania State University	318

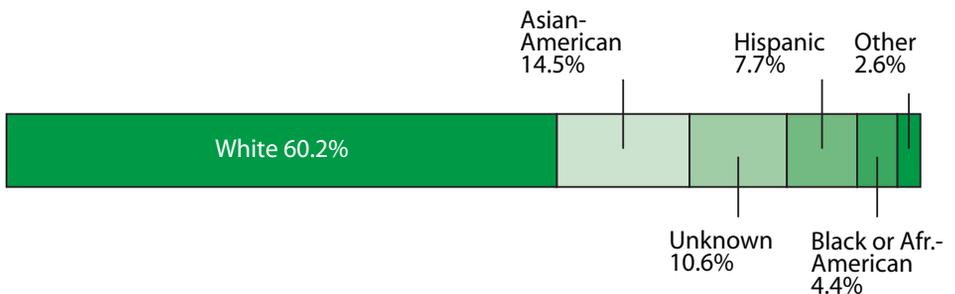
261 schools reported.

MASTER'S DEGREES BY GENDER, 2014



	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	22.7%	22.5%	22.4%	23.0%	23.0%	22.6%	22.6%	23.1%	23.9%
Male	77.3%	77.5%	77.6%	77.0%	77.0%	77.4%	77.4%	76.9%	76.1%

MASTER'S DEGREES BY ETHNICITY, 2014*



	2005	2006	2007	2008	2009	2010	2011	2012	2013
Black or African American	4.6%	4.4%	4.6%	4.8%	4.7%	5.1%	4.9%	4.7%	4.7%
Hispanic	5.0%	4.7%	5.2%	5.4%	5.3%	6.0%	6.3%	7.3%	7.6%
Other	14.4%	15.7%	15.2%	15.1%	17.4%	1.4%	1.5%	2.0%	2.2%
Asian American	17.7%	16.5%	16.5%	15.4%	15.1%	14.9%	15.5%	14.5%	15.0%
White	58.3%	58.7%	58.5%	59.3%	57.5%	60.9%	58.2%	59.7%	59.5%
Unknown						11.7%	13.6%	11.8%	11.0%

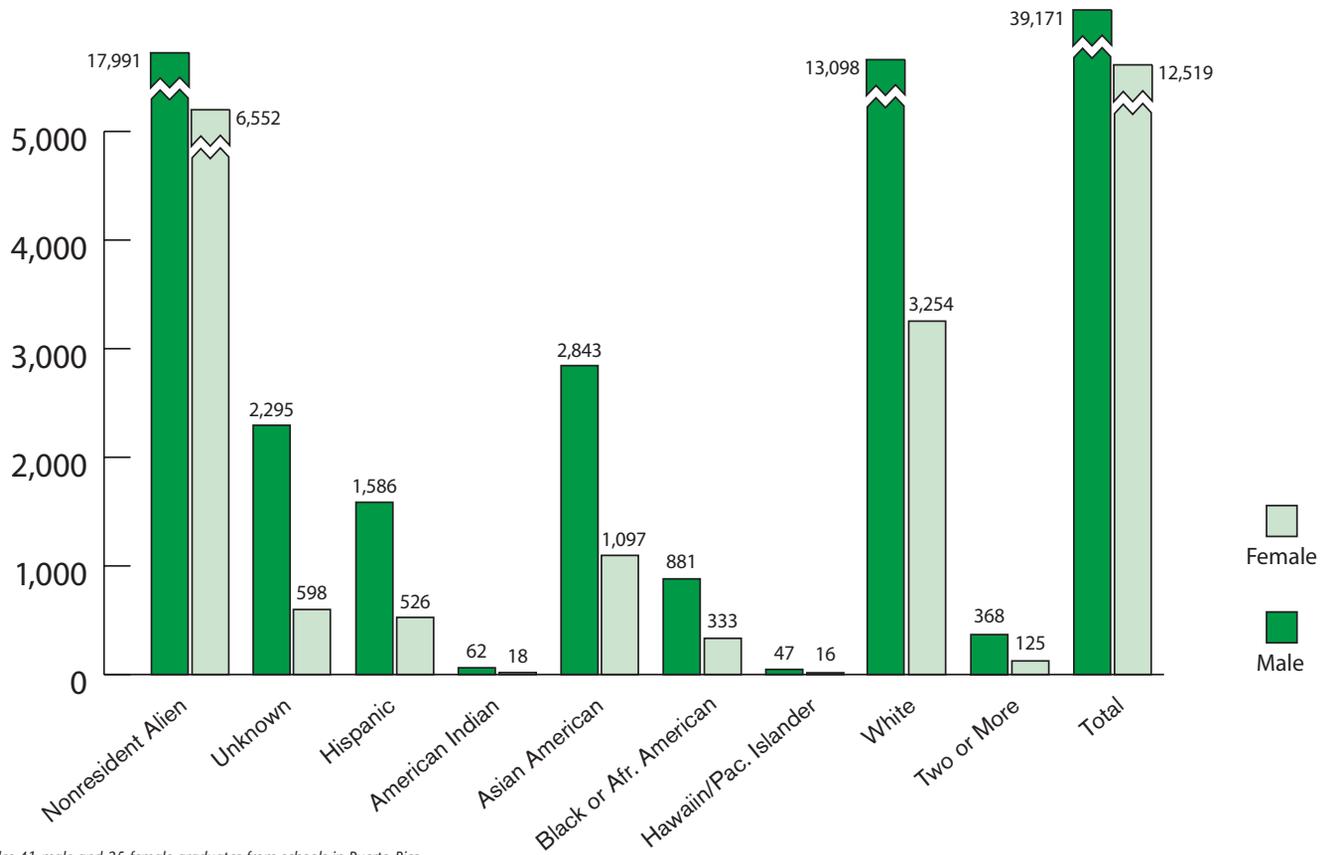
*Data on ethnicity does not include foreign nationals. American Indians (0.2%), Hawaiian/Pacific Islanders (0.1%) and Two or More (1.0%) are combined under Other.

MASTER'S DEGREES BY RESIDENCY, 2014

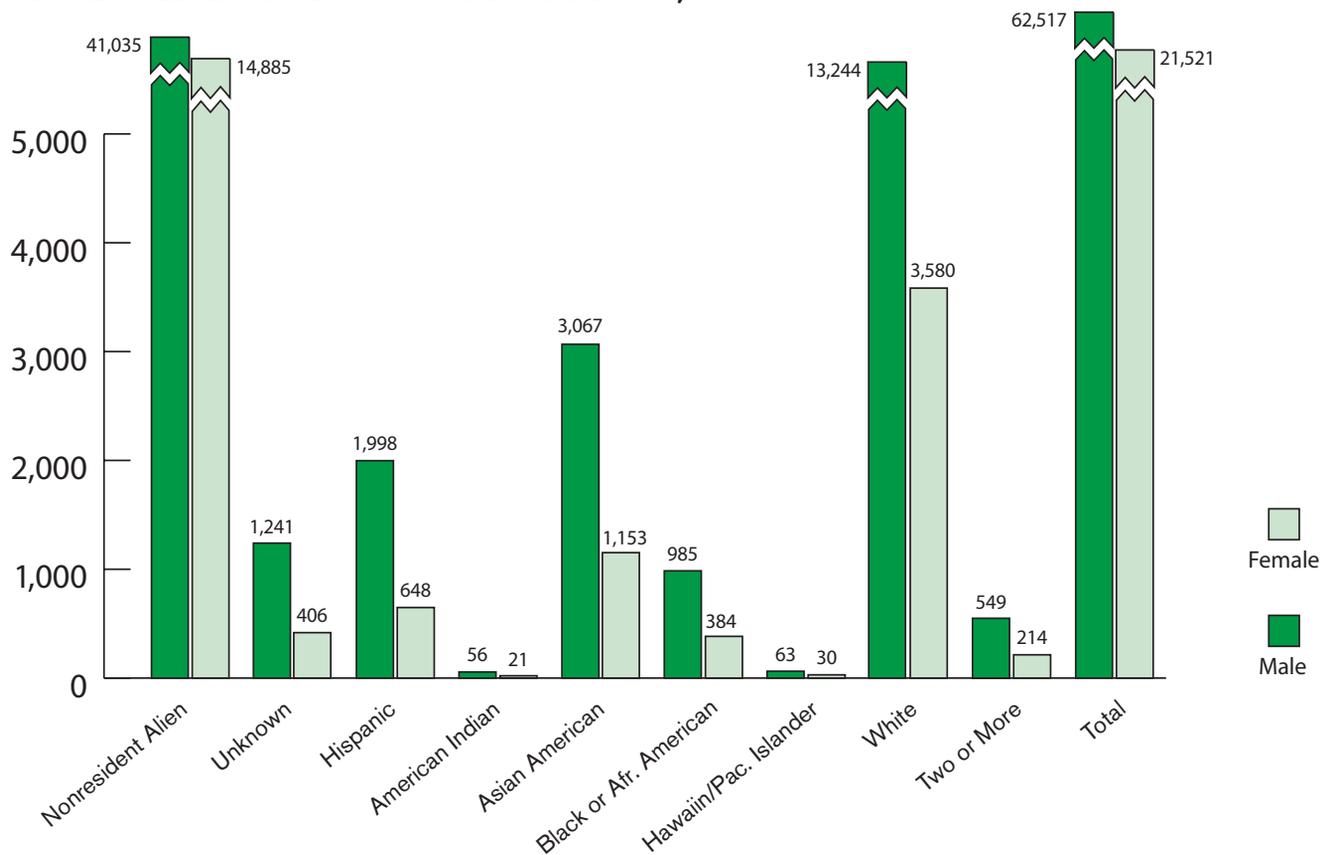


	2005	2006	2007	2008	2009	2010	2011	2012	2013
Nonresident Alien	42.6%	39.8%	38.7%	41.7%	44.1%	46.1%	44.4%	43.3%	45.3%
Permanent Resident	57.4%	60.2%	61.3%	58.3%	55.9%	53.9%	55.6%	56.7%	54.7%

MASTER'S DEGREES AWARDED BY ETHNICITY AND GENDER: 51,690*



MASTER'S ENROLLMENT BY ETHNICITY AND GENDER: 83,559*



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

1. William Marsh Rice University	36.6%
2. San Jose State University	34.6%
3. Lehigh University	33.6%
4. University of Missouri - Kansas City	32.3%
5. Santa Clara University	32.2%
6. Oakland University	31.8%
7. Columbia University	31.5%
8. Villanova University	31.3%
8. University of California, Davis	31.2%
10. University of California, Berkeley	31.0%
11. Stony Brook University	30.7%
12. West Virginia University	30.3%
12. University of California, Irvine	30.3%
12. University of Pennsylvania	30.3%
15. University of Washington	29.9%
16. Cornell University	29.6%
17. Northwestern University	29.5%
18. Drexel University	29.3%
19. Stanford University	29.0%
20. Duke University	28.8%

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

PERCENTAGE OF DOCTORAL DEGREES AWARDED TO WOMEN BY SCHOOL*

1. University of Illinois at Chicago	38.1%
2. University of Delaware	35.5%
3. Duke University	32.3%
4. Washington State University	30.6%
4. William Marsh Rice University	30.6%
6. Princeton University	30.2%
7. University of California, Davis	29.9%
8. Cornell University	28.8%
9. Northwestern University	28.2%
10. Clemson University	27.6%
11. University of Arizona	27.5%
12. California Institute of Technology	26.2%
12. Carnegie Mellon University	26.2%
14. Colorado School of Mines	26.0%
14. University of Virginia	26.0%
16. Iowa State University	25.7%
17. University of Colorado Boulder	25.6%
18. The Johns Hopkins University	25.5%
19. University of Wisconsin, Madison	25.0%
19. Michigan State University	25.0%

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

GRADUATE ENROLLMENT BY SCHOOL*

1. University of Southern California	5,142
2. Georgia Institute of Technology	4,102
3. Arizona State University	3,694
4. Stanford University	3,477
5. Texas A&M University	3,379
6. Univ. of Illinois, Urbana-Champaign	3,316
7. The Johns Hopkins University	3,234
8. University of Michigan	3,212
9. North Carolina State University	3,159
10. Massachusetts Inst. of Technology	3,143
11. Purdue University	3,135
12. Columbia University	3,038
13. The University of Texas at Arlington	2,667
14. The University of Texas at Dallas	2,550
15. NYU Polytechnic School of Engineering	2,287
16. University of Florida	2,268
17. Northeastern University	2,259
18. University of Washington	2,188
19. The University of Texas at Austin	2,124
20. Virginia Tech	2,045
21. Stevens Institute of Technology	2,025
22. University of Maryland College Park	1,973
23. Cornell University	1,966
24. University of California Los Angeles	1,928
25. University at Buffalo SUNY	1,923
26. San Jose State University	1,886
27. University of Minnesota -Twin Cities	1,867
28. University of California San Diego	1,862
29. The Ohio State University	1,801
30. University of Wisconsin Madison	1,665
31. University of Colorado Boulder	1,663
31. The Pennsylvania State University	1,652
33. Carnegie Mellon University	1,601
34. University of Pennsylvania	1,596
35. Texas A&M University - Kingsville	1,542
36. George Mason University	1,527
37. Stony Brook University	1,512
38. New Jersey Institute of Technology	1,476
39. Clemson University	1,430
40. University of Central Florida	1,309
41. Colorado School of Mines	1,278
42. Iowa State University	1,266
43. Missouri Univ. of Science and Tech.	1,259
44. California State University Fullerton	1,231
45. University of Houston	1,210
46. University of Utah	1,209
47. University of Illinois at Chicago	1,203
48. Wayne State University	1,190
49. The George Washington University	1,176
50. Syracuse University	1,174

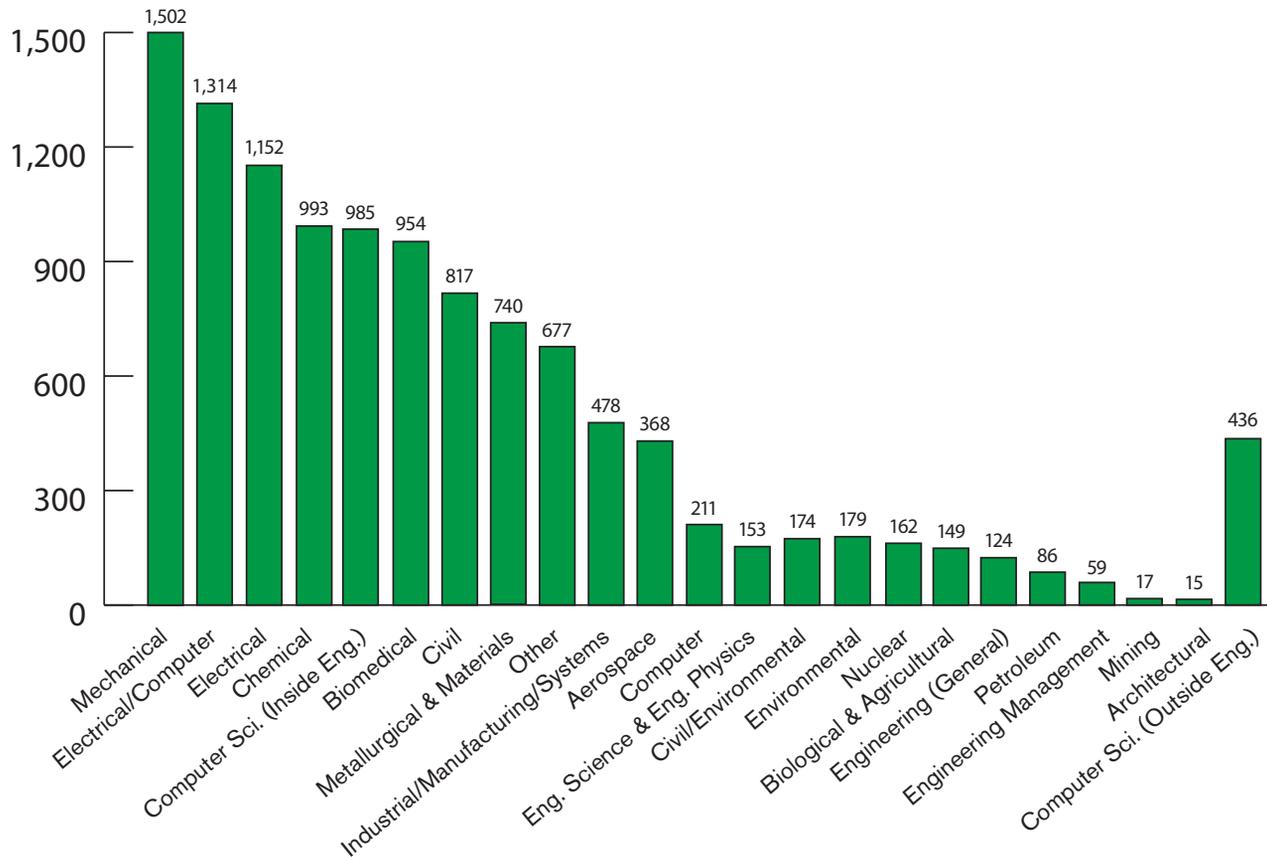
*265 schools reported.
*Includes both full-time and part-time.

ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	378
2. Massachusetts Inst. of Technology	355
3. Univ. of Illinois, Urbana-Champaign	304
3. Stanford University	304
5. Purdue University	297
6. University of Michigan	291
7. University of California, Berkeley	259
8. The University of Texas at Austin	247
9. Texas A&M University	241
10. University of Florida	219
11. Virginia Tech	211
12. North Carolina State University	182
13. University of California, Los Angeles	177
14. University of Minnesota -Twin Cities	160
15. The Pennsylvania State University	157
16. University of Maryland, College Park	147
17. Carnegie Mellon University	145
17. University of Southern California	145
19. University of California, San Diego	142
20. The Ohio State University	141
21. Cornell University	139
22. University of Washington	134
23. Northwestern University	131
24. University of Wisconsin, Madison	128
25. University of Colorado Boulder	117
26. Columbia University	112
27. Arizona State University	109
28. The University of Texas at Arlington	106
29. University of Tennessee, Knoxville	101
30. University of California, Davis	97
30. Iowa State University	97
32. Colorado School of Mines	96
32. Princeton University	96
32. University of Virginia	96
35. The Johns Hopkins University	94
36. University of California, Santa Barbara	93
37. Clemson University	87
38. William Marsh Rice University	85
39. University of California, Irvine	84
39. University at Buffalo, SUNY	84
41. University of Central Florida	83
42. University of Arizona	80
42. California Institute of Technology	80
42. Michigan State University	80
42. University of Utah	80
46. Rensselaer Polytechnic Institute	78
47. University of Connecticut	76
47. University of Delaware	76
49. Boston University	72
50. University of Cincinnati	71

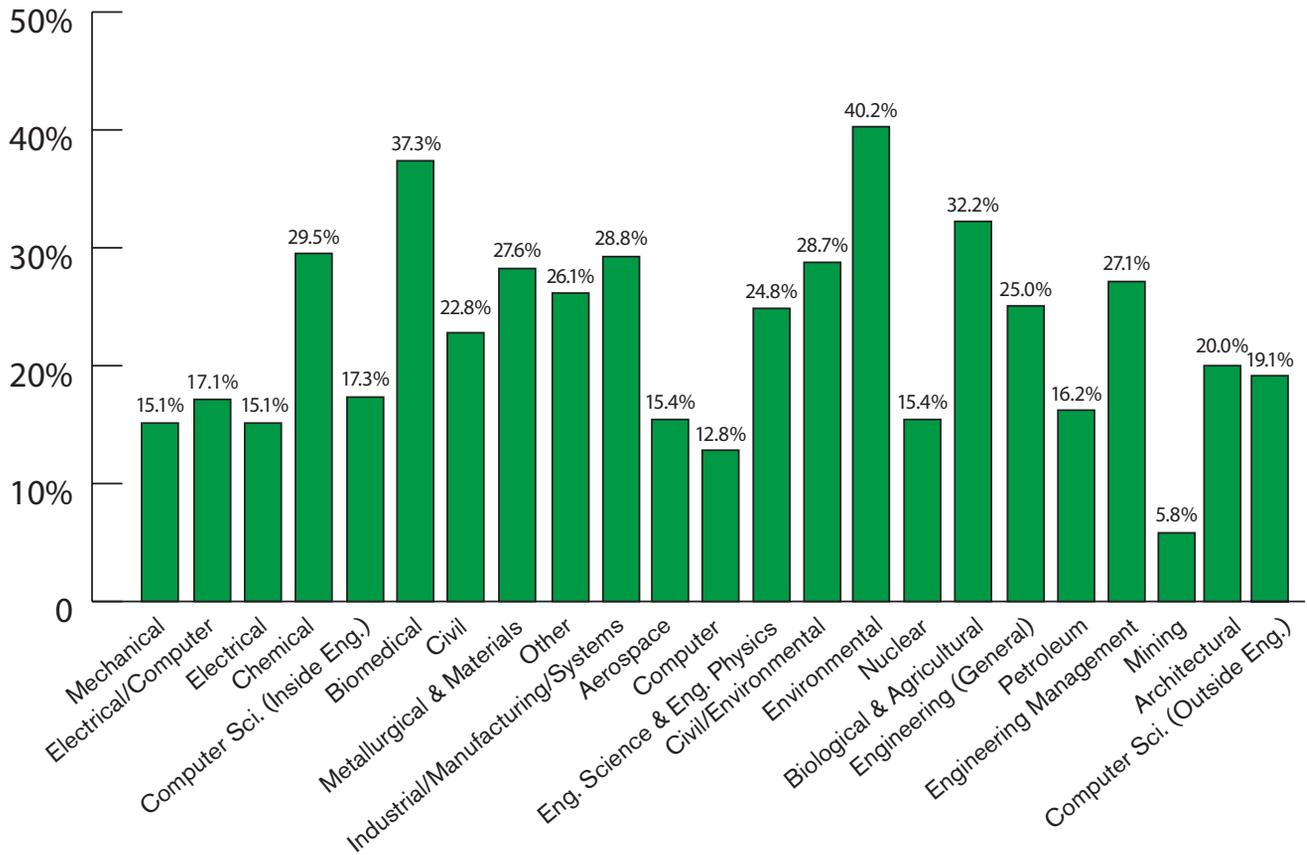
201 schools reported.

DOCTORAL DEGREES AWARDED BY DISCIPLINE: 11,309*



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

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



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

DOCTORAL DEGREES AWARDED TO FOREIGN NATIONALS

1. Purdue University	207
2. Univ. of Illinois, Urbana-Champaign	205
3. Georgia Institute of Technology	182
4. Massachusetts Inst. of Technology	172
5. Texas A&M University	163
6. Stanford University	149
7. University of Michigan	146
8. The University of Texas at Austin	137
9. Virginia Tech	124
10. University of Florida	115
11. The Pennsylvania State University	108
12. University of Southern California	104
13. The Ohio State University	103
14. University of California, Berkeley	102
15. University of California, Los Angeles	92
15. University of Minnesota -Twin Cities	92
17. Carnegie Mellon University	88
18. University of Maryland, College Park	83
19. North Carolina State University	82
20. Iowa State University	75
21. The University of Texas at Arlington	72
22. University of California, San Diego	71
22. University at Buffalo, SUNY	71
24. Cornell University	69
25. Northwestern University	61
25. Stony Brook University	61
27. Arizona State University	59
27. Columbia University	59
29. University of Wisconsin, Madison	55
30. William Marsh Rice University	53
30. The University of Texas at Dallas	53
32. University of California, Irvine	51
32. University of Central Florida	51
32. Louisiana State University	51
35. University of Cincinnati	50
35. University of Delaware	50
37. Auburn University	49
37. University of Connecticut	49
37. Rensselaer Polytechnic Institute	49
40. Northeastern University	48
40. University of Tennessee, Knoxville	48
42. University of Arizona	47
43. Princeton University	46
43. Washington State University	46
45. Clemson University	45
45. University of Washington	45
47. University of Illinois at Chicago	44
48. University of Colorado Boulder	43
48. The Johns Hopkins University	43

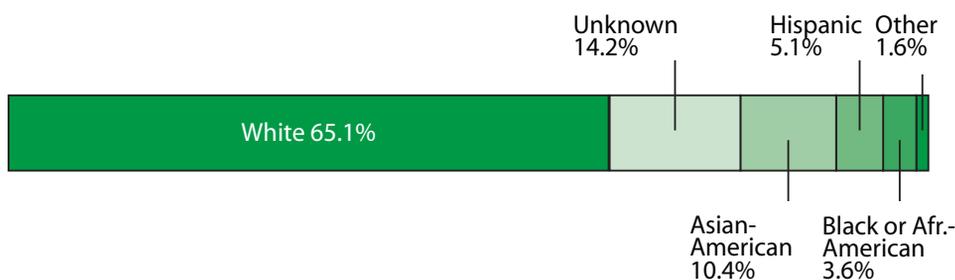
201 schools reported.

DOCTORAL DEGREES BY GENDER, 2014



	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	18.3%	20.2%	20.8%	21.2%	21.2%	22.9%	21.8%	22.2%	22.4%
Male	81.7%	79.8%	79.2%	78.8%	78.8%	77.1%	78.2%	77.8%	77.6%

DOCTORAL DEGREES BY ETHNICITY, 2014*



	2005	2006	2007	2008	2009	2010	2011	2012	2013
Black or African American	3.7%	3.7%	3.6%	3.2%	3.8%	4.4%	3.5%	4.1%	4.1%
Hispanic	3.7%	3.0%	3.5%	3.6%	3.8%	5.2%	4.2%	4.1%	4.7%
Other	14.2%	15.1%	18.7%	19.5%	17.6%	1.0%	1.6%	1.7%	1.7%
Asian American	14.4%	16.6%	12.0%	12.4%	13.2%	14.0%	15.1%	14.1%	13.5%
White	64.0%	61.6%	62.2%	61.3%	61.6%	65.7%	60.3%	61.1%	61.8%
Unknown						9.7%	15.3%	14.9%	14.2%

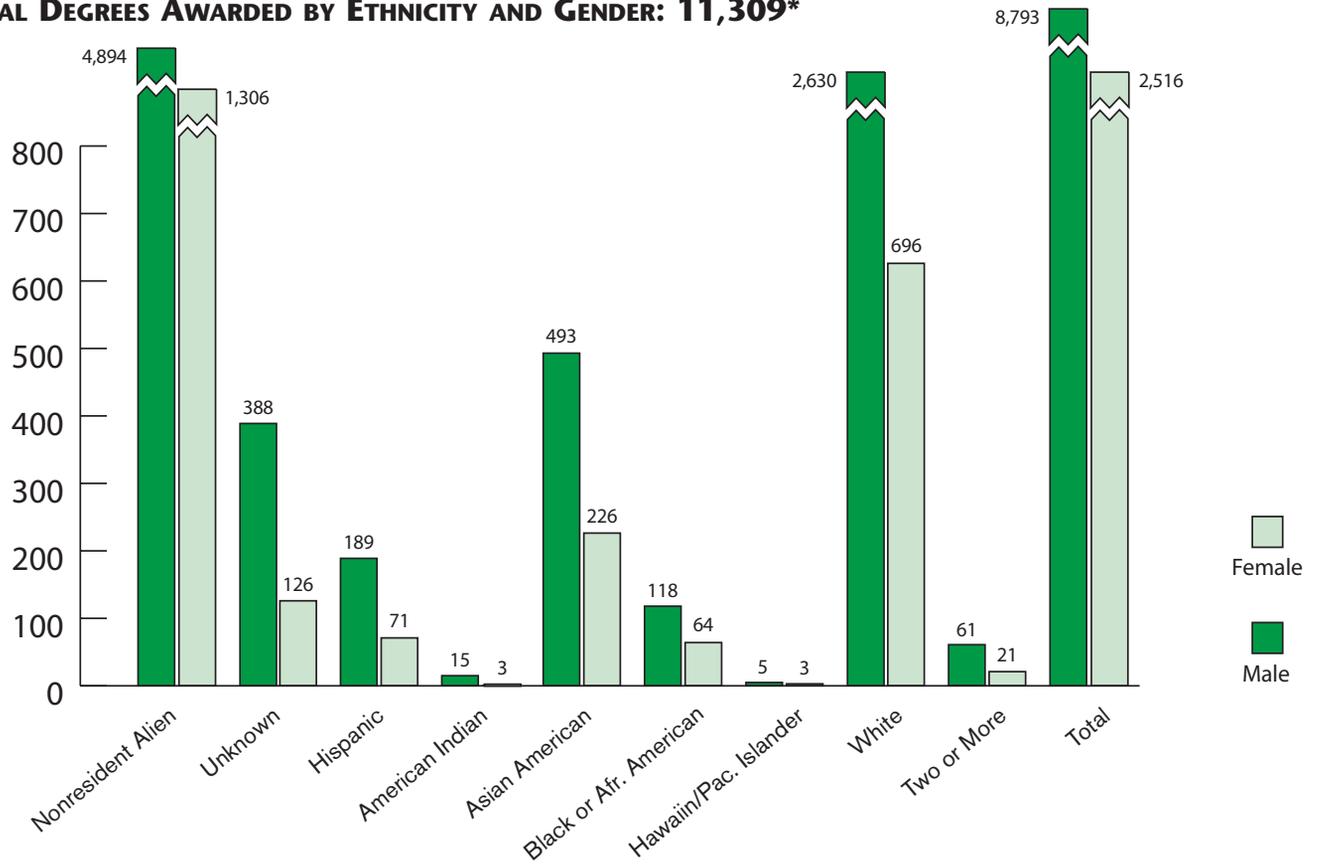
*Data on ethnicity does not include foreign nationals. American Indians (0.2%), Hawaiian/Pacific Islanders (0.3%) and Two or More (1.2%) are combined under Other.

DOCTORAL DEGREES BY RESIDENCY, 2014



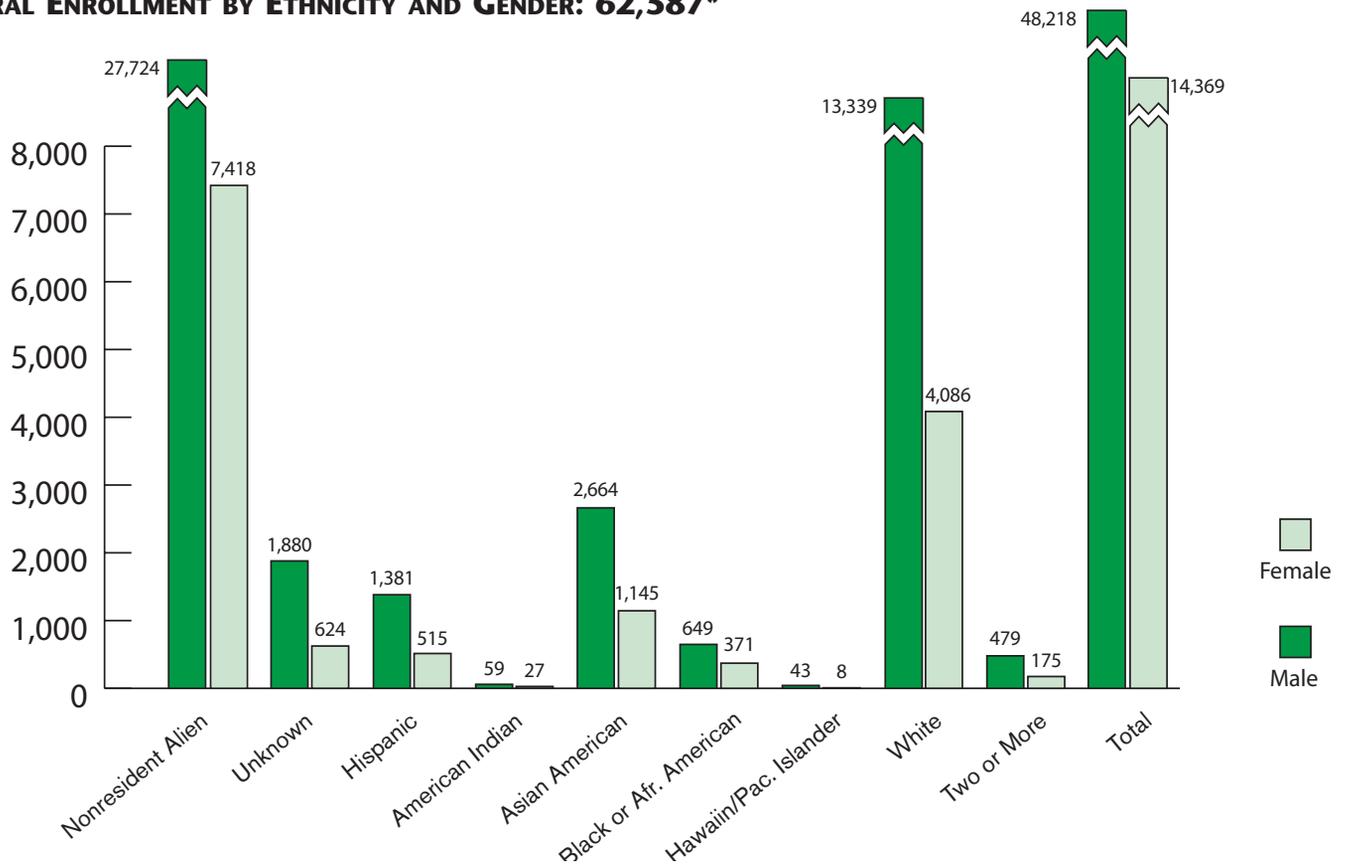
	2005	2006	2007	2008	2009	2010	2011	2012	2013
Nonresident Alien	59.4%	61.7%	61.6%	55.1%	55.1%	54.2%	54.2%	53.3%	55.1%
Permanent Resident	40.6%	38.3%	38.4%	44.9%	44.9%	45.8%	45.8%	46.7%	44.9%

DOCTORAL DEGREES AWARDED BY ETHNICITY AND GENDER: 11,309*



* Includes 6 male and 4 female graduates from University of Puerto Rico, Mayaguez.

DOCTORAL ENROLLMENT BY ETHNICITY AND GENDER: 62,587*



* Includes 61 Hispanic male and 26 Hispanic female enrolled students from schools in Puerto Rico.

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

1. Georgia Institute of Technology	1,977
2. Univ. of Illinois, Urbana-Champaign	1,519
3. The Pennsylvania State University	1,491
4. Purdue University	1,477
5. Texas A&M University	1,403
6. Virginia Tech	1,352
7. University of Michigan	1,281
8. University of California, Berkeley	1,195
9. The Ohio State University	1,142
10. The University of Texas at Austin	1,140
11. Iowa State University	1,121
11. North Carolina State University	1,121
13. University of Waterloo	1,103
14. University of Florida	1,033
15. California Polytechnic State University	954
16. University of Maryland, College Park	893
17. Colorado School of Mines	889
18. Arizona State University	848
19. California State Poly. U., Pomona	800
19. Missouri Univ. of Science and Tech.	800
21. University of Central Florida	787
22. University of Minnesota -Twin Cities	783
23. University of Washington	778
24. Rutgers	753
25. University of California, San Diego	734
26. Clemson University	717
27. University of Wisconsin, Madison	692
28. University at Buffalo, SUNY	679
29. Louisiana State University	674
30. Oregon State University	673
31. University of California, Irvine	653
32. Cornell University	651
33. University of Colorado Boulder	640
34. Worcester Polytechnic Institute	637
35. Michigan Technological University	630
35. Rensselaer Polytechnic Institute	630
37. University of California, Davis	627
38. Drexel University	591
38. University of California, Los Angeles	585
40. Auburn University	579
41. Texas Tech University	576
42. University of Pittsburgh	538
43. University of Puerto Rico, Mayaguez	534
44. West Virginia University	509
45. Northeastern University	505
46. University of Virginia	501
47. Kansas State University	489
48. Michigan State University	484
49. University of Arizona	482
49. Florida International University	482

347 schools reported.

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

1. University of Southern California	1283
2. University of Florida	1176
3. Georgia Institute of Technology	1104
4. University of Michigan	1020
5. Carnegie Mellon University	947
6. The Johns Hopkins University	890
7. Columbia University	883
8. Stanford University	876
9. Stevens Institute of Technology	802
10. Massachusetts Inst. of Technology	773
11. Arizona State University	721
12. North Carolina State University	669
13. NYU Polytechnic School of Engineering	650
14. San Jose State University	639
15. Cornell University	619
16. New Jersey Institute of Technology	603
17. Northeastern University	586
18. Univ. of Illinois, Urbana-Champaign	579
19. Purdue University	574
20. The George Washington University	528
21. University of California, Los Angeles	511
22. University of Washington	509
23. University of California, Berkeley	476
24. Texas A&M University	463
25. University of Maryland, College Park	459
26. Northwestern University	458
27. The University of Texas at Austin	457
28. Missouri Univ. of Science and Tech.	441
29. George Mason University	436
30. University of Wisconsin, Madison	432
31. University of Colorado Boulder	430
32. University of Pennsylvania	408
33. Virginia Tech	402
34. The Ohio State University	399
35. Worcester Polytechnic Institute	388
36. Drexel University	376
37. Stony Brook University	368
38. Illinois Institute of Technology	363
39. Colorado School of Mines	354
40. University at Buffalo, SUNY	351
41. The University of Texas at Arlington	319
42. University of California, San Diego	316
43. University of Central Florida	309
44. The Pennsylvania State University	298
45. The University of Texas at Dallas	298
46. Duke University	288
46. Santa Clara University	283
48. University of Minnesota -Twin Cities	282
49. University of Dayton	276
50. Clemson University	274

265 schools reported.

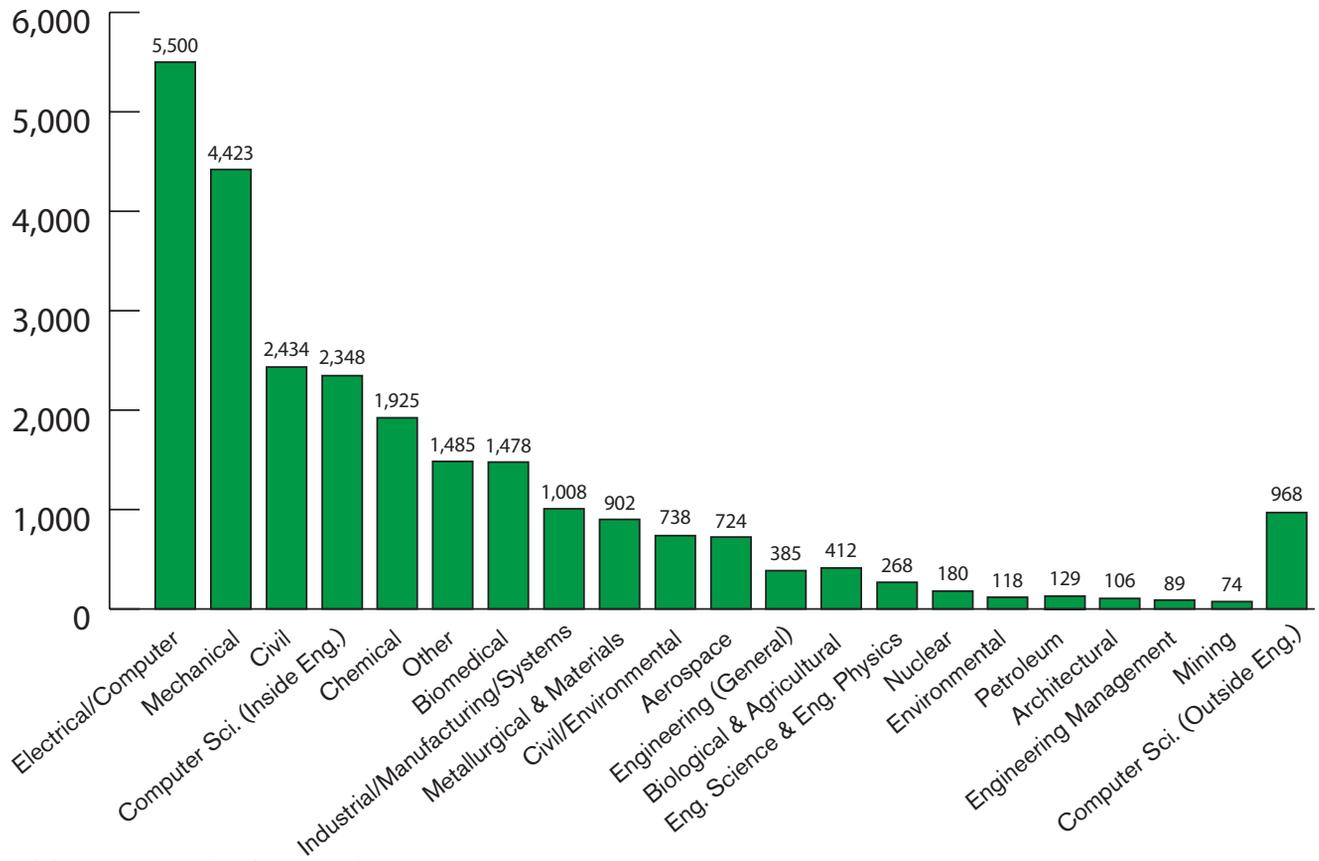
ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL (EXCLUDING COMPUTER SCIENCE)

1. Georgia Institute of Technology	378
2. Massachusetts Inst. of Technology	355
3. Purdue University	297
4. University of Michigan	291
5. Stanford University	277
6. The University of Texas at Austin	247
7. Univ. of Illinois, Urbana-Champaign	242
8. Texas A&M University	224
9. University of Florida	219
10. University of California, Berkeley	218
11. Virginia Tech	193
12. North Carolina State University	163
13. University of Maryland, College Park	147
14. Carnegie Mellon University	145
15. University of California, Los Angeles	140
16. University of Minnesota -Twin Cities	134
16. University of Washington	134
18. The Pennsylvania State University	130
19. Northwestern University	129
20. University of Wisconsin, Madison	128
21. Cornell University	127
22. University of California, San Diego	118
23. The Ohio State University	115
24. University of Southern California	107
25. Arizona State University	101
25. University of Colorado Boulder	101
27. Columbia University	99
28. University of Tennessee, Knoxville	98
29. Iowa State University	97
30. Colorado School of Mines	96
31. The University of Texas at Arlington	90
32. University of Virginia	88
33. The Johns Hopkins University	86
34. Clemson University	85
35. University of California, Irvine	84
36. University of California, Santa Barbara	81
37. University of Arizona	80
37. Princeton University	80
39. Rensselaer Polytechnic Institute	78
40. University of Central Florida	77
41. University of California, Davis	75
42. California Institute of Technology	73
43. Boston University	72
43. William Marsh Rice University	72
45. University of Cincinnati	71
45. University of Notre Dame	71
47. University of Delaware	70
47. Northeastern University	70
49. University of Pittsburgh	69
50. Duke University	68

210 schools reported.

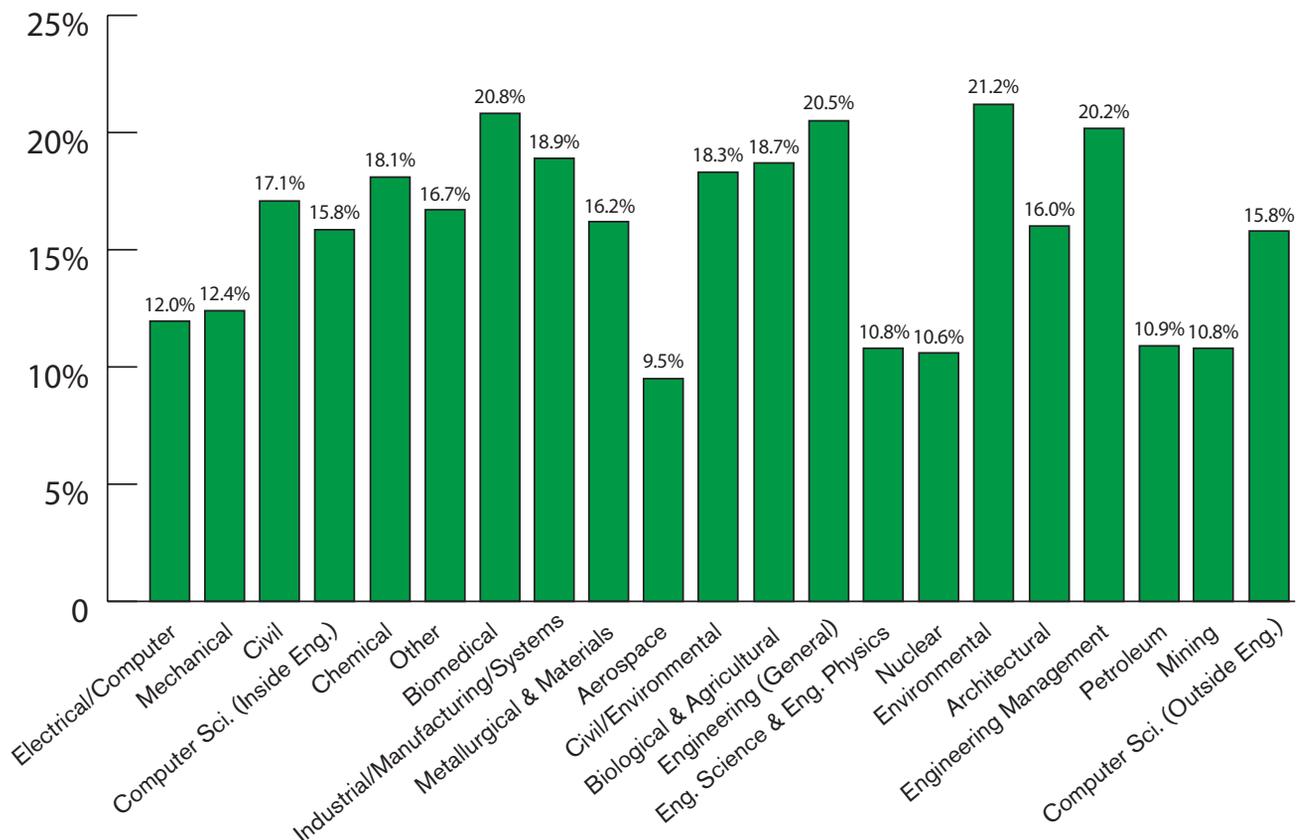
Note: All enrollment and degree data in this book includes computer science programs administered by the engineering colleges. This page displays the largest degree programs at each level without the computer science programs.

NUMBER OF TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 24,726*



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

PERCENTAGE OF WOMEN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 15.2%

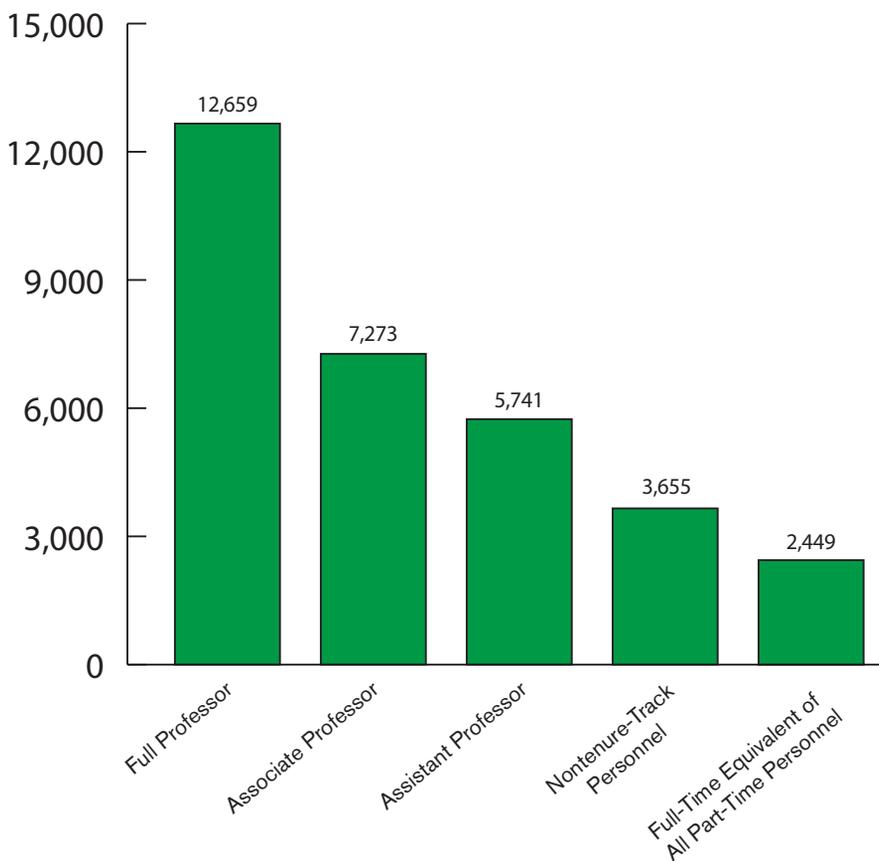


TENURED/TENURE-TRACK FACULTY MEMBERS BY SCHOOL

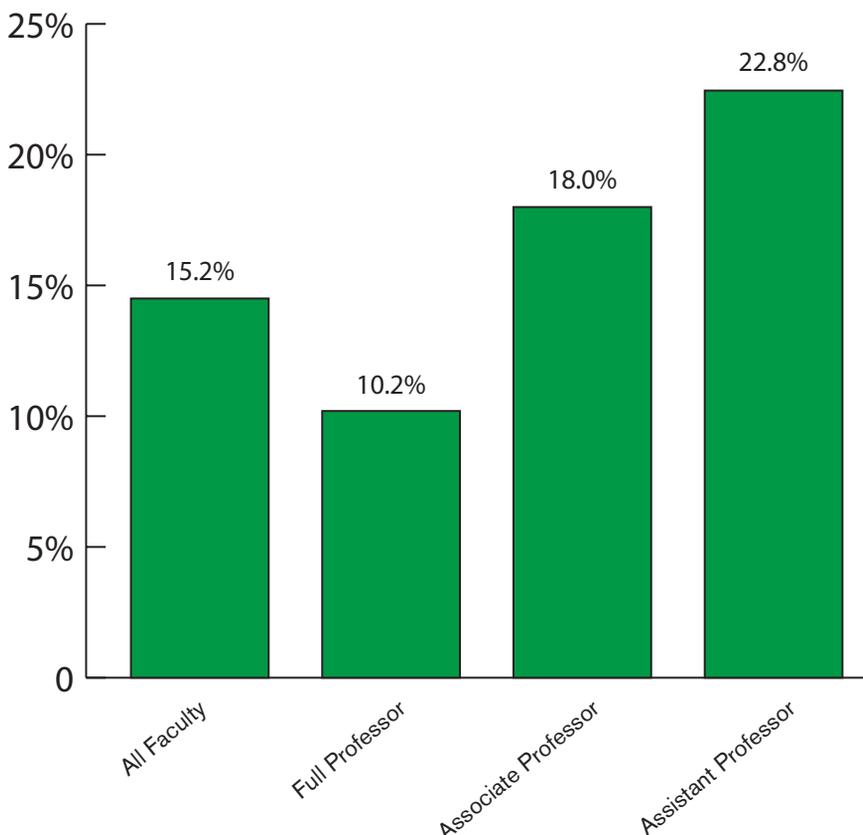
1. Univ. of Illinois, Urbana-Champaign	430
2. Georgia Institute of Technology	429
3. University of Michigan	389
4. Texas A&M University	379
5. Massachusetts Inst. of Technology	378
6. North Carolina State University	330
6. Virginia Tech	330
8. Purdue University	328
9. The Pennsylvania State University	305
10. The Ohio State University	282
11. University of Florida	276
12. The University of Texas at Austin	270
13. Arizona State University	265
14. University of California, Berkeley	253
15. Iowa State University	252
16. Cornell University	251
17. University of Washington	246
18. Stanford University	237
19. University of Minnesota -Twin Cities	231
20. Clemson University	215
21. University of Wisconsin, Madison	211
22. University of Maryland, College Park	210
23. University of California, Davis	200
24. University of California, San Diego	198
25. Colorado School of Mines	193
26. University of Utah	190
27. Northwestern University	186
28. University of Tennessee, Knoxville	184
29. University of Nebraska, Lincoln	180
29. University of Southern California	180
31. University of Colorado Boulder	179
31. Michigan State University	179
33. Missouri Univ. of Science and Tech.	178
34. University of Puerto Rico, Mayaguez	175
35. University of Arizona	162
35. University at Buffalo, SUNY	162
35. Oregon State University	162
35. Stony Brook University	162
39. University of California, Los Angeles	157
40. Carnegie Mellon University	156
40. The Johns Hopkins University	156
42. Columbia University	151
43. University of Kentucky	149
43. The University of Texas at Dallas	149
45. University of Connecticut	148
46. Rutgers	147
47. Auburn University	140
48. Drexel University	139
49. Princeton University	136
50. Michigan Technological University	133
50. Northeastern University	133

371 schools reported.

NUMBER OF TEACHING PERSONNEL BY RANK: 31,777



PERCENTAGE OF WOMEN TENURED/TENURE-TRACK FACULTY BY LEVEL



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

1. Olin College of Engineering	38.9%
2. Rowan University	35.1%
3. Santa Clara University	31.6%
4. University of the Pacific	31.0%
5. Gannon University	28.0%
6. Mercer University	27.3%
7. California State Univ., Los Angeles	26.7%
7. University of Hartford	26.7%
7. Prairie View A&M University	26.7%
10. University of Puerto Rico, Mayaguez	25.7%
11. Bucknell University	25.0%
12. Miami University	24.3%
13. Univ. of North Carolina, Chapel Hill	24.1%
14. University of Minnesota, Duluth	24.0%
15. Oakland University	23.6%
15. California State Univ., Long Beach	23.6%
17. California State Poly. U., Pomona	23.1%
18. Lafayette College	22.9%
18. University of New Haven	22.9%
20. Stevens Institute of Technology	22.8%
21. Grand Valley State University	22.6%
22. University of Washington	22.4%
23. Manhattan College	22.2%
24. Boise State University	21.9%
24. University of Missouri - Kansas City	21.9%

24. Villanova University	21.9%
27. Saint Louis University	21.4%
28. Western Michigan University	21.3%
29. Tulane University	21.2%
29. Tuskegee University	21.2%
29. The George Washington University	21.2%
32. Virginia Commonwealth University	21.1%
32. Univ. of Maryland, Baltimore County	21.1%
34. Drexel University	20.9%
35. Northeastern University	20.3%
35. Tufts University	20.3%
37. University of California, Davis	20.0%
37. Gonzaga University	20.0%
37. Loyola Marymount University	20.0%
37. William Marsh Rice University	20.0%
37. U.S. Coast Guard Academy	20.0%
42. California Polytechnic State University	19.7%
42. University of Wisconsin, Platteville	19.7%
44. New York Institute of Technology	19.5%
45. University of Vermont	19.4%
46. Arizona State University	19.2%
46. California Baptist University	19.2%
48. Stony Brook University	19.1%
49. University of Michigan	19.0%
50. University of Illinois at Chicago	18.9%
50. Purdue University	18.9%

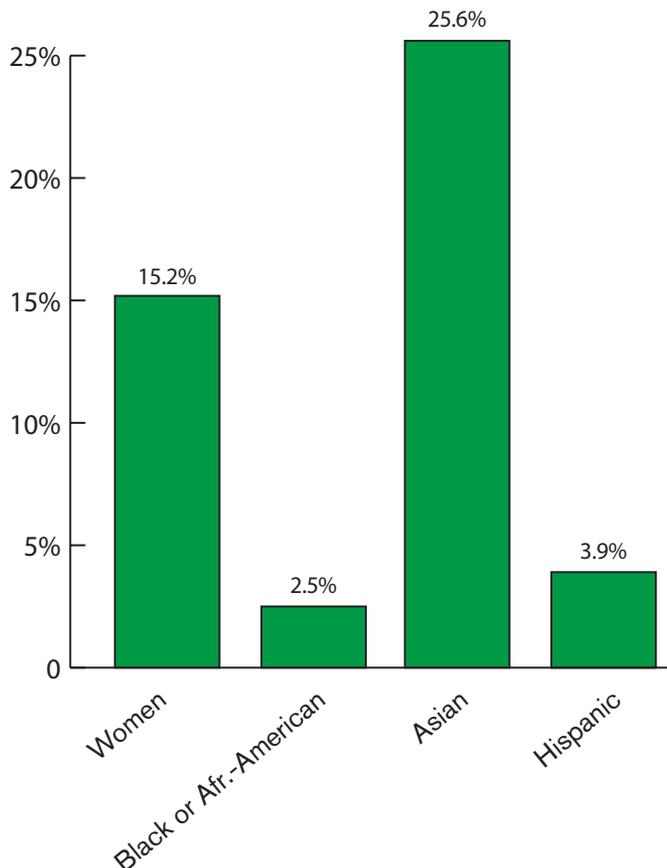
*Minimum of 25 faculty members.
230 schools fit this criterion.

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

1. University of Michigan	74
2. Univ. of Illinois, Urbana-Champaign	69
3. Georgia Institute of Technology	68
3. Massachusetts Inst. of Technology	68
5. Purdue University	62
6. University of Washington	55
7. Arizona State University	51
8. Texas A&M University	50
9. North Carolina State University	48
10. The Pennsylvania State University	45
10. University of Puerto Rico, Mayaguez	45
10. Virginia Tech	45
13. University of Florida	44
14. Iowa State University	42
14. The University of Texas at Austin	42
16. The Ohio State University	41
17. University of California, Davis	40
18. University of California, Berkley	39
18. Cornell University	39
20. Stanford University	38

286 schools reported.

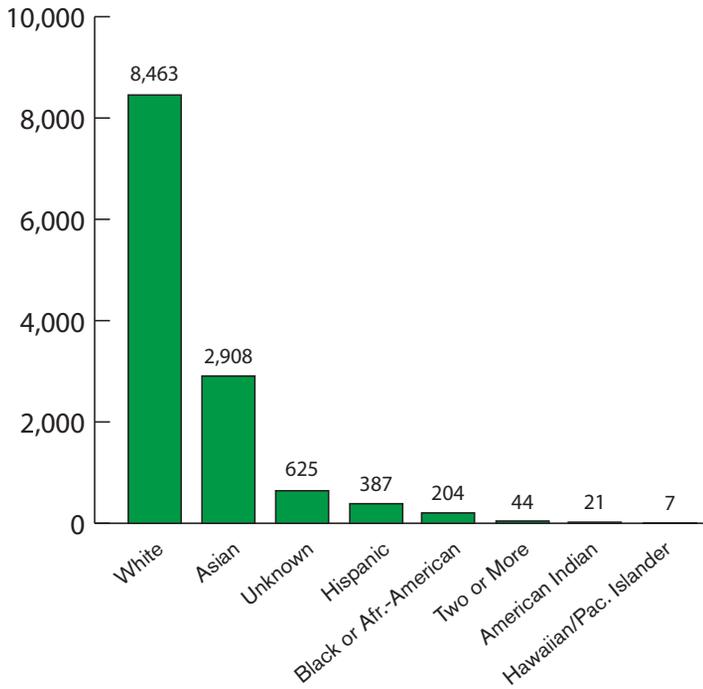
PERCENTAGE OF WOMEN AND MINORITY FACULTY, 2005-2014*



	Women	African-American	Asian	Hispanic
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%
2014	15.2%	2.5%	25.6%	3.9%

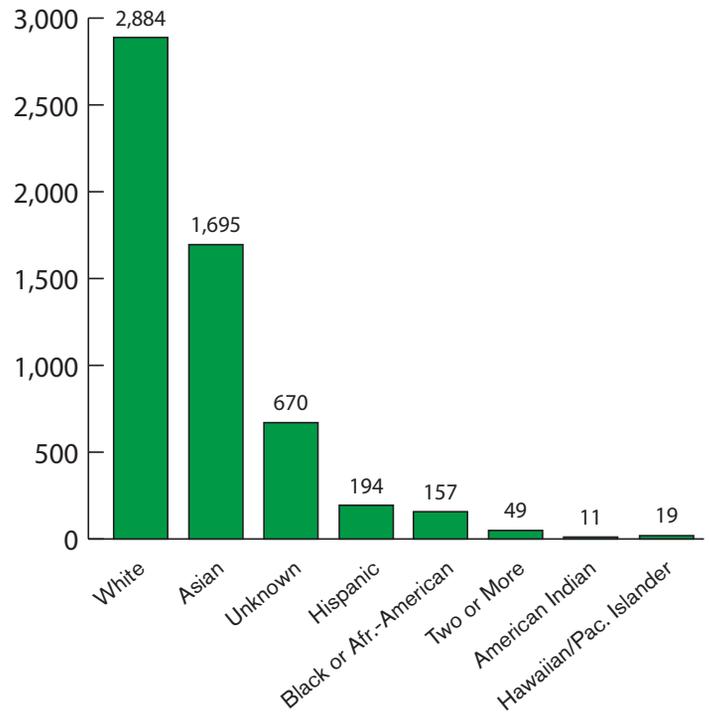
*Note: Includes faculty data from University of Puerto Rico, Mayaguez and the Polytechnic University of Puerto Rico.

NUMBER OF FULL PROFESSORS BY RACE/ETHNICITY (TEACHING): 12,659*



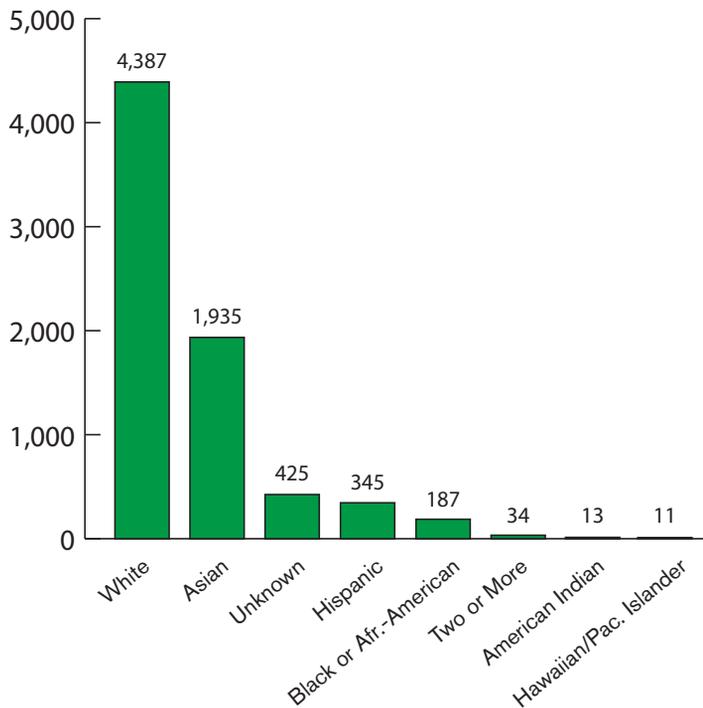
*Note: Includes 125 Hispanic faculty from University of Puerto Rico, Mayaguez and the Polytechnic University of Puerto Rico.

NUMBER OF ASSISTANT PROFESSORS BY RACE/ETHNICITY (TEACHING): 5,679*



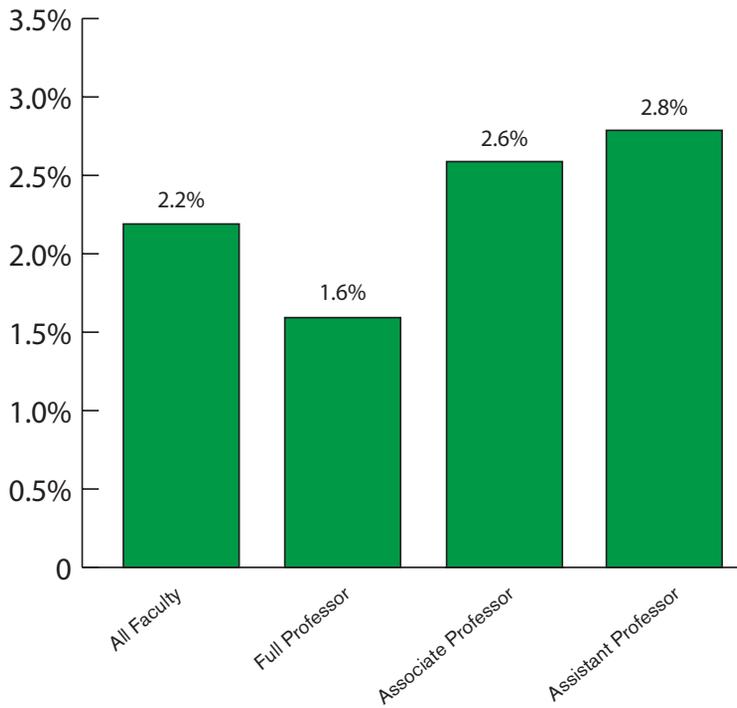
*Note: Includes 26 Hispanic faculty from University of Puerto Rico, Mayaguez, Polytechnic University of Puerto Rico and Turabo University.

NUMBER OF ASSOCIATE PROFESSORS BY RACE/ETHNICITY (TEACHING): 7,337*

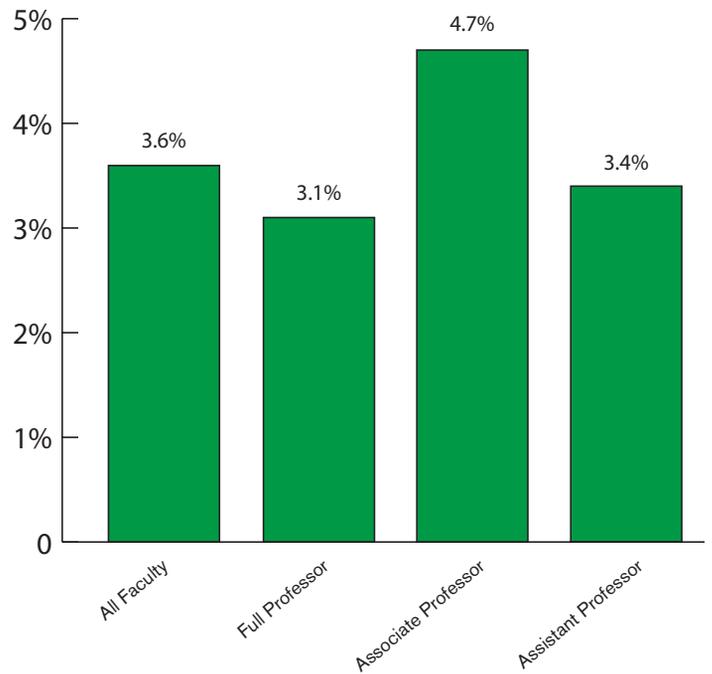


*Note: Includes 93 Hispanic faculty from University of Puerto Rico, Mayaguez and the Polytechnic University of Puerto Rico.

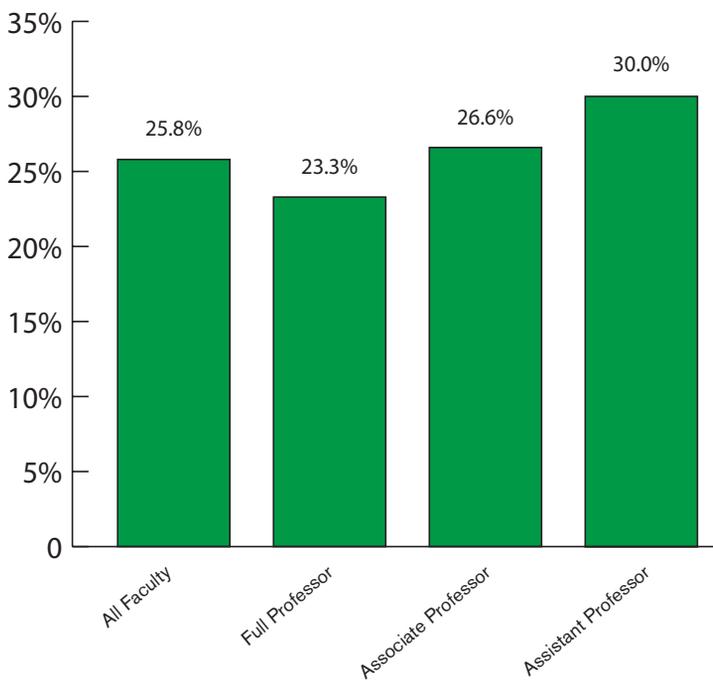
PERCENTAGE OF AFRICAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY LEVEL*



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



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



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

AFRICAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY SCHOOL

1. North Carolina A&T State Univ.	26
2. Georgia Institute of Technology	17
3. FAMU-FSU College of Engineering	16
3. Prairie View A&M University	16
5. University of Michigan	14
6. University of Florida	12
7. Massachusetts Inst. of Technology	11
7. Cornell University	11
7. North Carolina State University	11
7. Tuskegee University	11
11. Univ. of Illinois, Urbana-Champaign	9
12. The Pennsylvania State University	8
13. University of Maryland, College Park	7
13. Stanford University	7
13. New Jersey Institute of Technology	7
13. City College of the CUNY	7
17. Virginia Tech	6
18. 9 schools tied with 5	5

288 schools reported.

ASIAN TENURED/TENURE-TRACK FACULTY BY SCHOOL

1. Texas A&M University	117
2. Georgia Institute of Technology	115
3. Univ. of Illinois, Urbana-Champaign	111
4. Purdue University	104
5. Arizona State University	92
5. The Ohio State University	92
7. Iowa State University	90
7. University of Michigan	90
9. University of Florida	85
10. North Carolina State University	78
11. Virginia Tech	76
12. Michigan State University	72
13. The Pennsylvania State University	66
14. University at Buffalo, SUNY	64
15. The University of Texas at Dallas	63
16. Stony Brook University	61
17. Missouri Univ. of Science and Tech.	60
17. The University of Texas at Arlington	60
17. University of Washington	60
20. University of Connecticut	59
20. University of Southern California	59

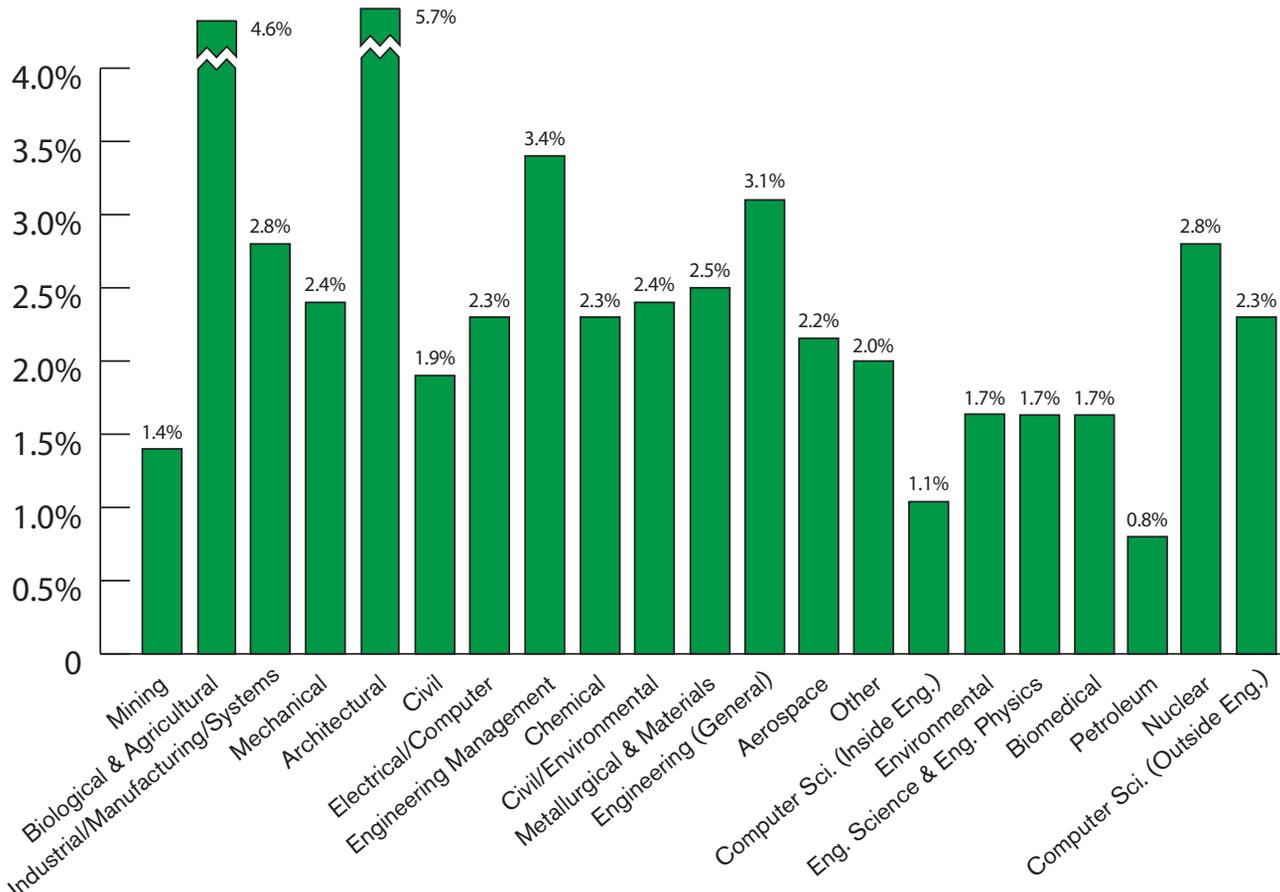
287 schools reported.

HISPANIC TENURED/TENURE-TRACK FACULTY BY SCHOOL

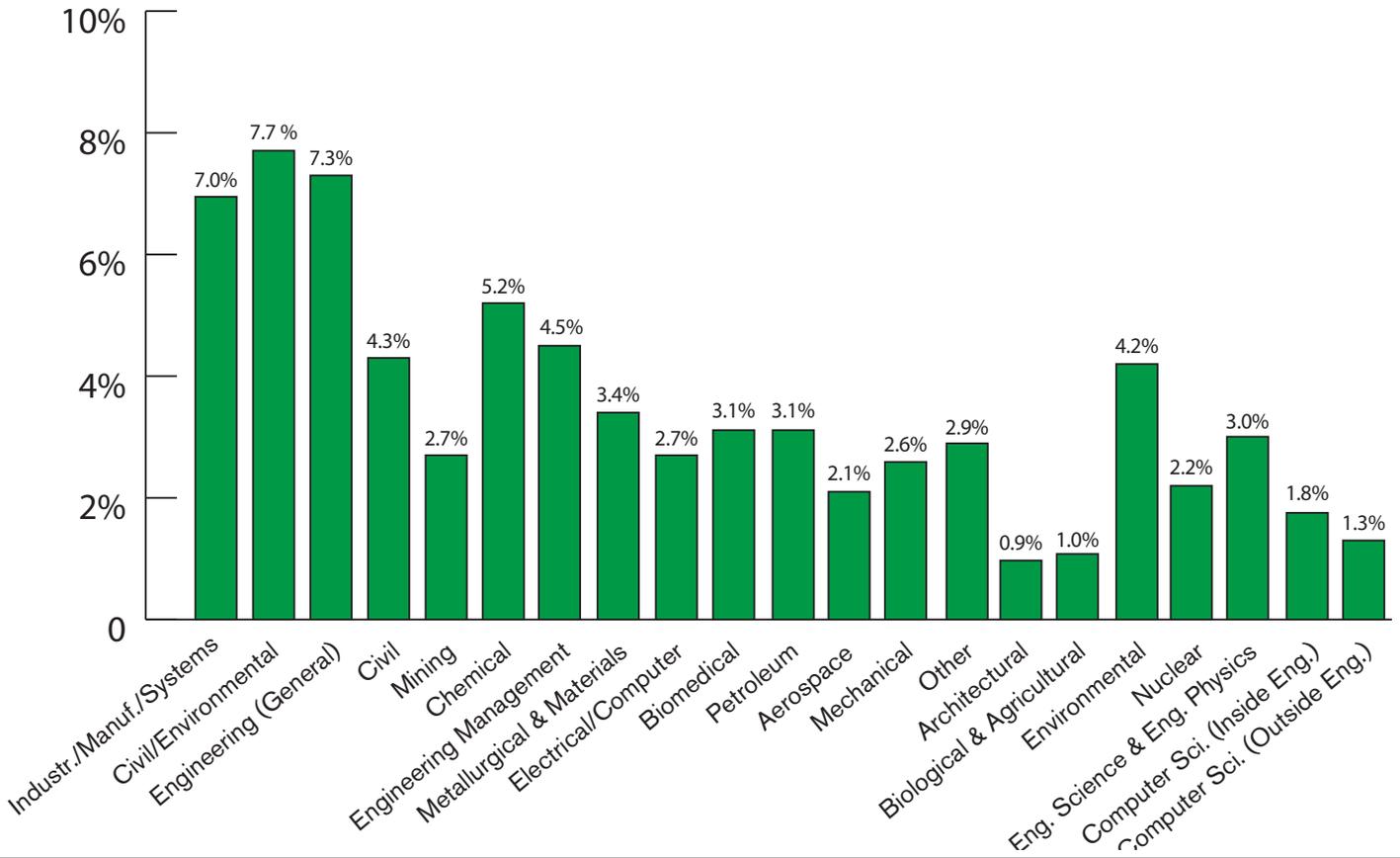
1. University of Puerto Rico, Mayaguez	151
2. Polytechnic University of Puerto Rico	56
3. Texas A&M University	29
4. The University of Texas at El Paso	25
5. Virginia Tech	17
6. Massachusetts Inst. of Technology	16
7. Univ. of Illinois, Urbana-Champaign	14
7. Georgia Institute of Technology	14
9. University of Florida	13
9. New Mexico State University	13
11. The Pennsylvania State University	12
11. Arizona State University	12
11. Purdue University	12
11. Stanford University	12
11. The University of Texas at Austin	12
16. University of California, Berkely	11
17. University of South Florida	10
18. The Ohio State University	9
19. University of Arizona	8
19. University of Colorado, Boulder	8

286 schools reported.

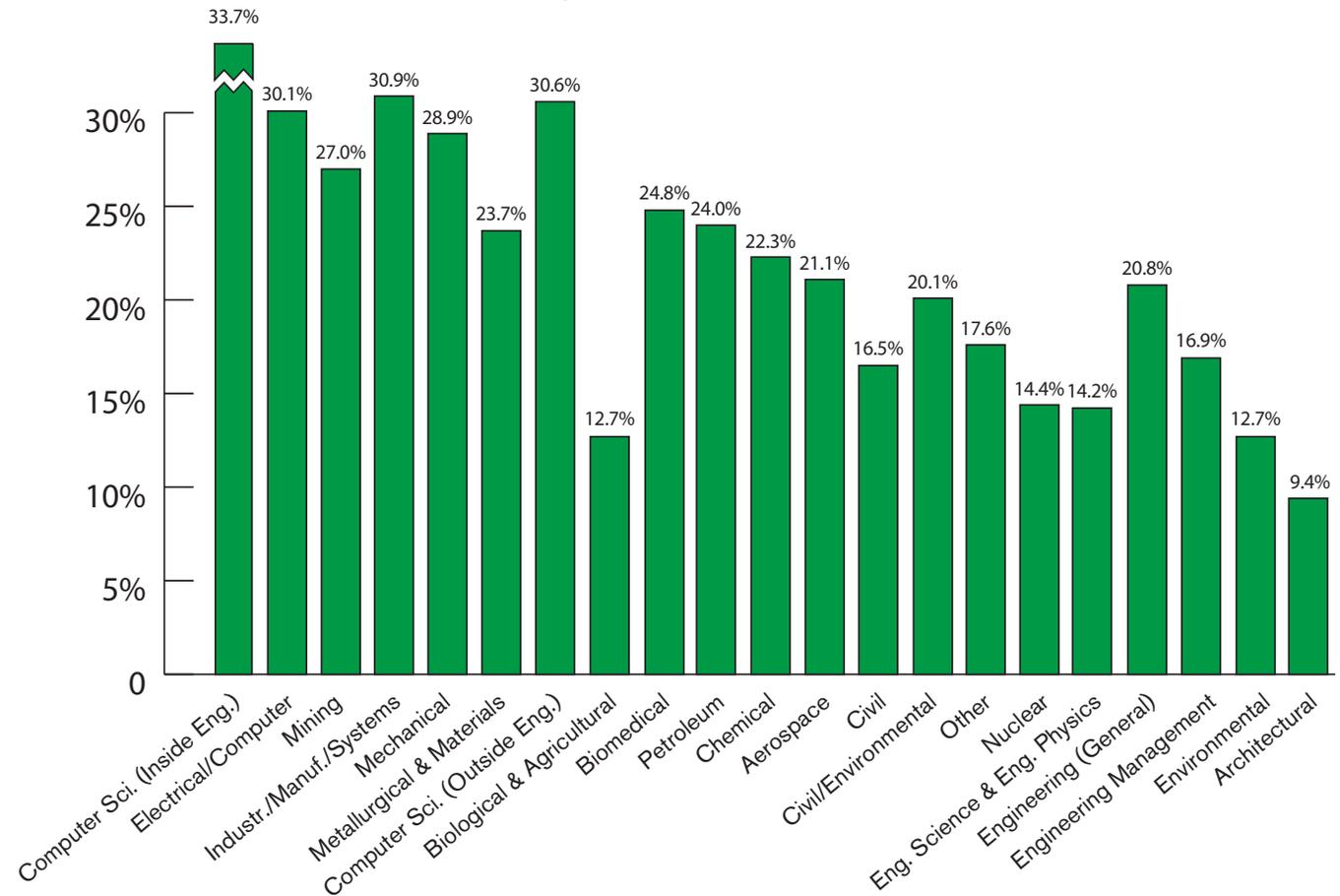
PERCENTAGE OF AFRICAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 2.2%



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



PERCENTAGE OF ASIAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 25.0%



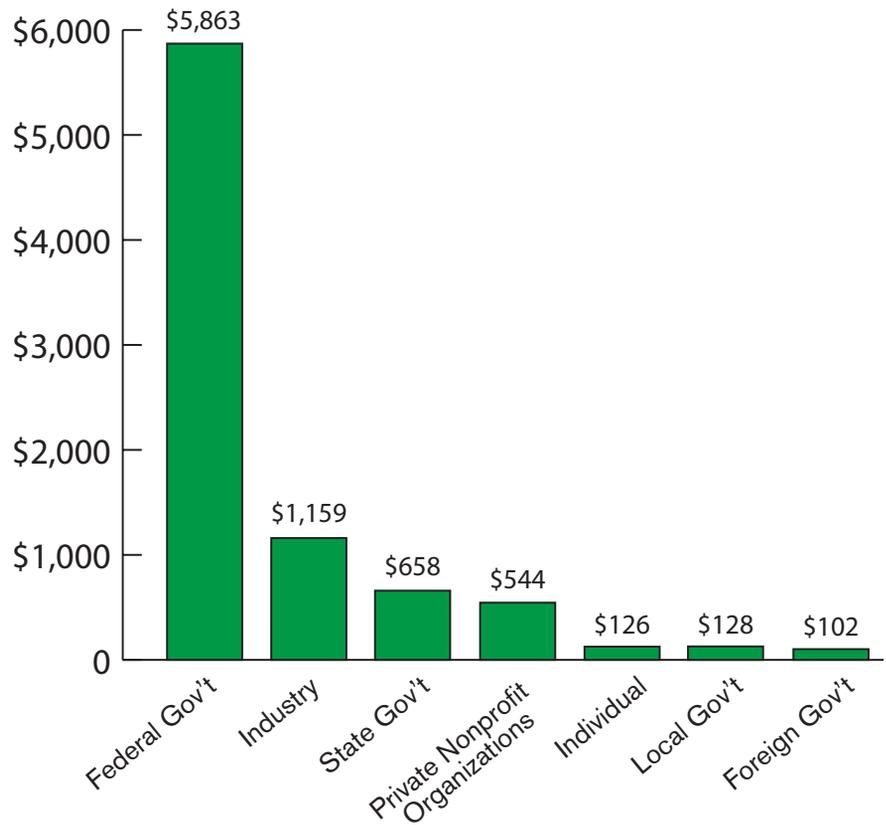
RESEARCH EXPENDITURES BY SCHOOL

(IN MILLIONS)

1. Massachusetts Inst. of Technology	\$391.2
2. Texas A&M University	\$293.0
3. University of Michigan	\$251.6
4. Univ. of Illinois, Urbana-Champaign	\$229.9
5. Purdue University	\$211.9
6. University of California, Berkeley	\$211.1
7. Carnegie Mellon University	\$207.6
8. Stanford University	\$189.4
9. University of Southern California	\$187.8
10. University of Wisconsin, Madison	\$178.8
11. Georgia Institute of Technology	\$177.4
12. Virginia Tech	\$167.4
13. The University of Texas at Austin	\$166.9
14. North Carolina State University	\$165.6
15. The Pennsylvania State University	\$162.7
16. University of California, San Diego	\$151.3
17. Cornell University	\$141.5
18. University of Washington	\$133.7
19. University of Maryland, College Park	\$128.9
20. The Ohio State University	\$118.8
21. University of Pennsylvania	\$111.3
22. Northwestern University	\$108.5
23. University of California, Santa Barbara	\$108.4
24. The Johns Hopkins University	\$105.3
25. University of Minnesota -Twin Cities	\$103.3
26. University of California, Los Angeles	\$101.7
27. California Institute of Technology	\$99.8
28. Duke University	\$95.2
28. Boston University	\$95.2
30. Princeton University	\$92.8
31. University of Pittsburgh	\$88.3
32. University of Rochester	\$87.5
33. University of Colorado Boulder	\$85.4
34. Arizona State University	\$85.2
35. Iowa State University	\$81.8
36. University of Dayton	\$80.6
37. University of Utah	\$77.6
38. Vanderbilt University	\$74.4
39. University of California, Davis	\$73.5
40. University of Virginia	\$67.5
41. University of California, Irvine	\$66.9
42. University of Florida	\$64.3
43. Colorado State University	\$63.3
44. Auburn University	\$60.0
45. Harvard University	\$59.7
46. University at Buffalo, SUNY	\$59.2
47. University of Tennessee, Knoxville	\$58.9
48. Colorado School of Mines	\$57.1
49. University of Arizona	\$55.0
50. University of Delaware	\$53.4

205 schools reported.

RESEARCH EXPENDITURES BY SOURCE IN MILLIONS OF DOLLARS: \$8,580



COMPUTER SCIENCE RESEARCH EXPENDITURES LOCATED OUTSIDE OF ENGINEERING BY SCHOOL

(IN MILLIONS)

1. Carnegie Mellon University	\$98.5
2. Georgia Institute of Technology	\$26.7
3. University of Wisconsin, Madison	\$25.8
4. University of Maryland, College Park	\$22.5
5. The University of Texas at Austin	\$21.0
6. University of Massachusetts Amherst	\$18.0
7. Purdue University	\$17.4
8. University of California, Irvine	\$15.6
9. Northeastern University	\$11.2
10. The University of Alabama in Huntsville	\$11.0
11. Rutgers, The State University of New Jersey, School of Engineering	\$9.7
12. Rensselaer Polytechnic Institute	\$6.3
13. Brown University	\$5.1
14. University of Arizona	\$4.6
15. Worcester Polytechnic Institute	\$4.4
16. Duke University	\$4.2
16. University of Houston	\$3.9
18. Boston University	\$3.4
19. Dartmouth College	\$3.0
20. University of Louisiana at Lafayette	\$2.8

38 schools reported.
*Schools are not required to report this data to ASEE.

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

1. California State Poly. U., Pomona	10.26
2. University of Central Florida	8.48
3. California Polytechnic State University	8.00
4. California State University, Long Beach	7.60
5. San Diego State University	7.11
6. Worcester Polytechnic Institute	6.78
7. Florida International University	6.61
8. Louisiana State University	5.88
9. University of California, Irvine	5.81
10. Polytechnic University of Puerto Rico	5.78
11. The University of Toledo	5.75
12. University of Wisconsin, Platteville	5.59
13. Stevens Institute of Technology	5.57
13. Milwaukee School of Engineering	5.56
15. The Pennsylvania State University	5.19
16. University of New Hampshire	5.13
16. University of California, San Diego	5.13
18. Rutgers	5.12
19. Oregon State University	5.06
20. Rensselaer Polytechnic Institute	5.00

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

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

1. California Institute of Technology	1.12
2. Wayne State University	1.52
3. Yale University	1.53
3. The George Washington University	1.53
5. Massachusetts Inst. of Technology	1.79
6. Princeton University	1.83
7. New Mexico State University	2.00
8. Northwestern University	2.06
9. University of California, Santa Barbara	2.17
10. Stanford University	2.30
10. Carnegie Mellon University	2.30
12. The Johns Hopkins University	2.33
13. The University of New Mexico	2.35
14. Bucknell University	2.37
15. Tufts University	2.39
16. North Carolina A&T State University	2.40
17. Ohio University	2.44
18. University of Notre Dame	2.45
19. The University of Texas at Dallas	2.48
20. Florida Institute of Technology	2.55

*Minimum of 50 degrees awarded.
168 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.
134 schools fit this criterion.

HIGHEST PERCENTAGE OF DOCTORAL DEGREES TO FOREIGN NATIONALS BY SCHOOL*

1. Stony Brook University	85.9%
2. University of Wisconsin, Milwaukee	85.2%
3. University at Buffalo, SUNY	84.5%
4. Oklahoma State University	83.3%
5. University of Houston	82.0%
6. The University of Iowa	78.9%
7. University of Nebraska, Lincoln	78.2%
8. Auburn University	77.7%
8. University of North Dakota	77.7%
10. Iowa State University	77.3%
11. Louisiana State University	77.2%
12. The University of Akron	76.6%
12. The University of Texas at Dallas	75.7%
14. Syracuse University	73.5%
15. Kansas State University	73.0%
16. The Ohio State University	73.0%
17. University of Southern California	71.7%
18. University of Louisville	71.4%
19. Washington State University	70.7%
20. Texas Tech University	70.6%

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

LOWEST PERCENTAGE OF DOCTORAL DEGREES TO FOREIGN NATIONALS BY SCHOOL*

1. The George Washington University	23.4%
2. University of California-Santa Cruz	24.1%
3. Vanderbilt University	30.7%
4. Tufts University	31.3%
5. University of Washington	33.5%
6. Duke University	33.8%
7. Drexel University	35.2%
8. University of California, Santa Barbara	36.5%
9. University of Colorado Boulder	36.7%
10. Colorado School of Mines	38.5%
11. University of California, Berkeley	39.3%
11. University of Kansas	39.3%
13. University of Virginia	39.5%
13. University of Pennsylvania	40.0%
15. Boston University	41.6%
15. University of South Carolina	41.7%
15. University of Wisconsin, Madison	42.9%
18. Harvard University	43.0%
19. University of California, Davis	43.2%
20. Michigan State University	43.7%

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

BACHELOR'S DEGREES BY DISCIPLINE 2005-2014

Bachelor's Degrees	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Aerospace Engineering	2,371	2,722	2,788	2,930	3,057	3,218	3,459	3,668	3,595	3,695
Architectural Engineering	722	631	625	646	723	753	743	763	660	607
Biological/Agricultural Eng.	635	646	659	623	631	719	796	871	924	1,031
Biomedical Engineering	2,410	2,917	2,969	3,237	3,644	3,670	4,066	4,374	4,709	5,119
Chemical Engineering	4,521	4,452	4,551	4,850	5,185	5,948	6,487	7,245	7,717	8,110
Civil Engineering	8,247	8,935	9,402	10,132	10,508	11,027	12,154	12,309	12,464	12,333
Civil/Environmental Eng. ¹	212	291	445	464	558	591	709	751	953	881
Computer Engineering	5,455	4,901	4,046	3,808	3,394	3,340	3,381	3,688	3,906	4,201
Computer Science (Inside Eng.)	8,419	7,330	6,446	5,964	5,652	6,049	6,708	7,371	8,184	9,328
Electrical Engineering	12,459	11,915	11,467	10,790	9,859	9,634	9,942	10,102	10,662	11,261
Electrical/Computer Eng.	2,924	2,825	2,425	2,216	2,194	2,175	2,153	2,426	2,518	2,827
Engineering (General)	1,179	1,176	1,246	1,160	1,246	1,335	1,465	1,192	1,554	1,406
Engineering Management	303	238	274	331	309	336	315	434	418	436
Engr. Science and Engr. Physics	383	431	460	472	431	526	496	562	524	574
Environmental Engineering	522	437	454	486	503	587	698	905	994	1,012
Industr./Manuf./Systems Eng.	3,647	3,664	3,503	3,367	3,510	3,744	3,727	4,107	4,272	4,877
Mechanical Engineering	14,947	16,063	16,701	17,324	17,375	18,391	19,241	20,369	21,707	23,675
Metallurgical/Materials Eng.	840	909	963	1,095	1,035	1,152	1,161	1,280	1,415	1,440
Mining Engineering	92	120	119	153	190	191	213	236	231	324
Nuclear Engineering	275	342	402	415	378	414	469	565	614	584
Other Engineering Disciplines	2,724	2,902	2,942	3,211	3,351	3,794	3,730	3,956	4,260	4,202
Petroleum Engineering	315	339	428	496	654	753	888	1,002	1,079	1,250
TOTAL	73,602	74,186	73,315	74,170	74,387	78,347	83,001	88,176	93,360	99,173

¹ New discipline added in 2005.

ENROLLMENT BY CLASS 2005-2014

UNDERGRADUATE ENROLLMENT	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Freshmen	95,961	102,125	106,110	110,543	113,588	118,831	122,820	133,082	141,143	142,789
Sophomores	78,317	79,883	83,753	88,227	94,111	97,909	102,125	110,011	120,328	123,965
Juniors	78,232	79,244	80,647	86,835	92,758	97,519	102,102	108,862	118,600	128,134
Seniors	114,741	112,950	115,180	117,586	127,046	136,426	144,683	152,735	163,871	174,386
TOTAL FULL TIME	367,576	374,202	385,690	403,191	427,503	450,685	471,730	504,690	543,942	569,274
TOTAL PART TIME	31,212	31,331	30,971	31,828	32,085	34,903	38,470	42,724	45,644	48,686

MASTER'S DEGREES BY DISCIPLINE 2005-2014

MASTERS DEGREES	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Aerospace Engineering	1,043	1,094	1,056	1,096	1,075	1,166	1,398	1,443	1,308	1,410
Architectural Engineering	164	112	116	119	121	131	125	150	138	128
Biological/Agricultural Eng.	173	182	149	155	171	197	213	234	244	227
Biomedical Engineering	1,007	1,326	1,156	1,221	1,396	1,447	1,558	1,890	1,997	1,918
Chemical Engineering	1,404	1,204	1,036	1,051	1,084	1,162	1,354	1,440	1,456	1,545
Civil Engineering	3,875	3,835	3,368	3,437	3,659	4,088	4,739	5,002	4,778	4,958
Civil/Environmental Eng. ¹	78	109	178	223	249	282	279	570	754	618
Computer Engineering	1,557	1,510	1,479	1,662	1,880	1,712	1,783	1,963	1,883	2,081
Computer Science (Inside Eng.)	5,735	5,197	4,913	4,924	5,373	5,230	5,497	5,756	6,182	6,325
Electrical Engineering	5,615	5,256	5,026	5,735	6,137	6,345	6,666	6,572	6,305	6,536
Electrical/Computer Eng.	4,243	3,753	3,532	3,757	3,682	3,459	3,799	3,824	3,756	4,019
Engineering (General)	539	671	602	612	729	745	906	666	623	645
Engineering Management	1,818	1,817	2,114	2,036	2,240	2,595	2,484	2,665	2,690	2,835
Engr. Science/Engr. Physics	282	315	205	194	170	248	216	205	209	186
Environmental Engineering	635	571	552	524	552	639	724	788	805	871
Industr./Manuf./Systems Eng.	3,138	2,663	2,565	2,669	2,986	2,990	3,359	3,362	3,214	3,514
Mechanical Engineering	4,767	4,631	4,485	4,647	4,757	5,066	5,915	6,237	6,261	6,529
Metallurgical/Materials. Eng.	743	702	702	715	771	771	852	951	1,049	1,155
Mining Engineering	38	48	49	54	51	29	47	49	63	49
Nuclear Engineering	181	246	255	268	264	305	324	366	375	316
Other Engineering Disciplines	3,259	3,532	3,232	3,655	4,063	4,152	4,320	4,852	5,011	5,407
Petroleum Engineering	256	241	213	232	222	264	382	387	382	418
TOTAL	40,550	39,015	36,983	38,986	41,632	43,023	46,940	49,372	49,483	51,690

¹ New discipline added in 2005.

DOCTORAL DEGREES BY DISCIPLINE 2005-2014

DOCTORAL DEGREES	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Aerospace Engineering	259	244	259	252	276	254	280	317	351	368
Architectural Engineering	6	2	8	11	7	7	6	8	9	15
Biological/Agricultural Eng.	68	66	65	88	80	87	114	135	131	149
Biomedical Engineering	333	436	536	662	722	733	812	843	920	954
Chemical Engineering	805	834	898	888	836	905	863	849	866	993
Civil Engineering	725	767	770	706	707	681	747	714	806	817
Civil/Environmental Eng. ¹	20	29	51	100	87	92	78	115	134	174
Computer Engineering	115	191	193	216	230	248	229	248	268	211
Computer Science (Inside Eng.)	606	761	867	847	863	849	880	918	971	985
Electrical Engineering	834	939	1,064	1,006	959	992	1,030	1,126	1,129	1,152
Electrical/Computer Eng.	938	1,112	1,234	1,169	1,055	1,038	1,185	1,197	1,182	1,309
Engineering (General)	46	75	56	64	65	57	70	89	111	124
Engineering Management	35	39	37	35	44	46	43	51	74	64
Engr. Science/Engr. Physics	111	131	143	133	150	160	155	139	153	153
Environmental Engineering	112	129	133	138	143	134	154	134	156	179
Industr./Manuf./Systems Eng.	302	348	398	401	381	352	383	378	415	478
Mechanical Engineering	964	1,132	1,161	1,140	1,216	1,078	1,225	1,323	1,454	1,502
Metallurgical/Materials. Eng.	464	519	584	617	598	603	632	707	739	740
Mining Engineering	11	16	15	13	12	6	4	9	22	17
Nuclear Engineering	76	81	88	103	87	114	115	112	135	162
Other Engineering Disciplines	457	460	447	447	511	517	521	557	656	677
Petroleum Engineering	46	40	48	50	54	42	56	66	82	86
TOTAL	7,333	8,351	9,055	9,086	9,083	8,995	9,582	10,035	10,764	11,309

¹ New discipline added in 2005.

UNDERGRADUATE ENROLLMENT BY DISCIPLINE 2005-2014

UNDERGRAD ENROLLMENT	2005		2006		2007		2008	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	15,882	588	15,945	654	16,551	633	17,561	664
Architectural Engineering	4,392	134	3,986	187	4,205	199	4,033	130
Biological Eng. and Agricultural Eng.	2,978	72	3,038	68	3,103	103	3,191	78
Biomedical Engineering	14,213	464	15,411	481	16,153	518	17,798	519
Chemical Engineering	21,727	1,323	23,455	1,269	25,852	1,431	28,636	1,326
Civil Engineering	42,007	3,448	44,389	3,783	47,296	3,709	50,167	4,430
Civil/Environmental Engineering ¹	1,264	185	1,790	245	2,437	259	2,546	247
Computer Science (Inside Eng.)	27,577	4,678	27,062	4,355	27,348	4,202	27,766	4,081
Electrical/Computer Engineering	79,883	8,977	75,302	8,979	72,353	8,389	73,343	8,158
Engineering (General)	16,140	680	18,139	526	21,944	1,039	22,856	1,186
Engineering Management	1,239	37	1,014	35	1,034	31	1,224	23
Engr. Science and Engr. Physics	3,161	486	3,533	525	2,510	105	2,643	99
Environmental Engineering	2,007	112	2,270	128	2,761	171	3,180	308
Industr./Manuf./Systems Eng.	13,065	1,170	12,970	1,054	12,921	1,019	13,476	1,184
Mechanical Engineering	78,202	6,636	80,288	6,786	82,246	6,843	85,249	7,089
Metallurgical and Matrls. Eng.	3,577	175	3,862	184	4,019	210	4,312	164
Mining Engineering	626	26	764	37	836	51	881	51
Nuclear Engineering	1,562	61	1,667	75	1,771	64	1,832	41
Other Engineering Disciplines	35,943	1,865	36,503	1,877	36,955	1,897	38,468	1,922
Petroleum Engineering	2,131	95	2,814	83	3,395	98	4,029	128
TOTAL	367,576	31,212	374,202	31,331	385,690	30,971	403,191	31,828

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.

2009		2010		2011		2012		2013		2014	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
18,108	601	18,482	785	18,909	879	19,402	897	19,216	879	19,973	966
3,618	179	3,677	183	3,381	161	3,195	164	3,234	171	3,117	120
3,778	96	3,911	127	4,291	151	4,245	172	4,796	198	5,233	178
19,558	504	21,166	556	23,403	664	25,884	736	27,671	950	28,434	990
32,050	1,476	34,506	1,563	36,499	1,819	39,448	2,053	42,962	2,169	45,813	2,414
53,436	4,784	53,520	5,008	53,215	4,940	53,082	4,995	52,379	4,888	51,659	4,791
2,929	235	3,185	302	3,163	313	3,773	273	4,332	343	4,262	347
29,959	4,092	32,921	4,690	36,983	5,347	42,296	6,100	48,685	7,303	55,482	8,170
75,061	7,952	77,270	8,427	80,607	8,867	85,113	9,470	91,336	9,951	93,955	10,502
22,903	1,226	25,035	1,022	27,159	1,159	27,981	1,276	32,604	1,435	33,220	1,600
1,036	24	1,005	36	1,114	36	1,528	62	1,631	118	1,727	267
2,497	84	2,618	66	2,650	96	3,174	173	3,011	220	3,166	204
4,027	338	4,549	360	4,788	363	4,970	415	5,118	394	5,121	357
14,224	1,033	14,751	1,151	15,429	1,426	16,851	1,587	18,310	1,623	19,517	1,669
91,856	7,082	96,164	7,687	101,476	9,016	110,379	10,096	120,083	10,694	127,094	11,457
4,520	146	4,970	173	5,273	182	5,589	230	6,074	253	6,426	266
974	68	1,039	80	1,112	63	1,174	65	1,281	75	1,137	89
2,207	60	2,399	89	2,529	99	2,468	112	2,219	118	2,026	113
40,536	1,912	44,914	2,311	44,647	2,584	47,905	3,370	51,357	3,254	53,447	3,451
4,226	193	4,603	287	5,102	305	6,233	478	7,643	623	8,465	735
427,503	32,085	450,685	34,903	471,730	38,470	504,690	42,724	543,942	45,659	569,274	48,686

MASTER'S ENROLLMENT BY DISCIPLINE 2005-2014

MASTER'S ENROLLMENT	2005		2006		2007		2008	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	1,853	575	1,758	627	1,893	600	1,996	672
Architectural Engineering	256	32	104	40	100	27	107	30
Biological Eng. and Agricultural Eng.	338	61	309	55	343	48	395	59
Biomedical Engineering	1,701	612	1,795	595	1,781	674	1,890	678
Chemical Engineering	1,527	801	1,285	678	1,391	682	1,507	648
Civil Engineering	4,955	2,599	5,067	2,432	5,193	2,637	5,297	2,882
Civil/Environmental Engineering ¹	92	119	127	125	280	166	421	165
Computer Science (Inside Eng.)	6,040	4,933	6,240	4,595	7,311	4,397	7,161	4,507
Electrical/Computer Engineering	13,799	8,995	14,950	8,731	17,013	8,919	17,041	8,925
Engineering (General)	669	1,067	698	1,012	812	937	798	1,232
Engineering Management	1,384	2,826	1,390	3,235	1,755	3,330	2,172	3,051
Engr. Science and Engr. Physics	210	167	193	134	192	96	195	106
Environmental Engineering	852	445	767	507	718	451	787	481
Industr./Manuf./Systems Eng.	3,608	2,105	3,542	1,963	4,033	1,781	4,195	2,127
Mechanical Engineering	6,658	3,564	6,762	3,529	7,352	3,678	7,857	3,735
Metallurgical and Matrls. Eng.	920	293	904	303	965	325	1,019	357
Mining Engineering	82	30	72	43	83	40	93	29
Nuclear Engineering	379	96	422	100	443	156	449	152
Other Engineering Disciplines	3,089	4,400	3,421	4,369	3,629	4,757	4,104	4,780
Petroleum Engineering	387	128	362	194	429	156	532	183
TOTAL	48,799	33,848	50,168	33,267	55,716	33,857	58,016	34,799

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.

2009		2010		2011		2012		2013		2014	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
2,125	849	2,396	952	2,505	1,038	2,341	937	2,239	953	2,381	1,016
139	21	198	29	198	55	231	73	229	61	206	50
438	48	464	88	461	95	415	109	394	97	423	74
1,911	693	2,265	701	2,440	717	2,398	796	2,545	756	2,854	800
1,538	696	1,794	709	1,827	720	1,824	643	2,099	681	2,176	755
6,326	3,130	6,888	3,414	6,914	3,600	6,790	3,526	6,854	3,415	7,067	3,375
479	165	491	200	549	194	896	366	940	447	924	310
7,274	4,675	7,873	4,727	8,187	4,831	8,778	4,652	10,942	4,822	13,652	5,300
17,664	9,346	16,975	9,485	16,626	8,695	17,392	8,292	20,463	8,070	23,652	8,641
799	1,073	798	1,433	915	1,346	733	895	1,009	717	947	641
2,430	3,397	2,376	3,327	2,347	3,137	2,678	2,934	2,865	2,908	3,071	3,226
215	94	194	131	248	106	206	98	199	80	190	68
990	514	1,121	574	1,152	624	1,189	668	1,235	687	1,147	686
4,272	2,312	4,156	2,399	3,860	2,553	4,053	2,603	4,389	2,831	5,012	2,577
8,511	4,220	8,856	4,582	8,632	4,693	8,690	4,691	9,669	4,720	10,848	4,836
1,144	360	1,253	316	1,293	405	1,326	448	1,389	456	1,488	521
90	36	83	17	120	23	101	62	124	33	150	57
460	176	509	201	581	197	463	241	424	170	437	193
4,409	5,518	4,634	5,818	4,770	6,166	5,155	6,655	5,538	5,998	5,989	5,634
634	211	683	225	672	265	763	260	823	363	945	380
61,848	37,534	64,007	39,328	64,297	39,460	66,422	38,949	74,369	38,265	83,559	39,140

DOCTORAL ENROLLMENT BY DISCIPLINE 2005-2014

DOCTORAL ENROLLMENT	2005		2006		2007		2008	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	1,605	192	1,574	206	1,462	195	1,520	183
Architectural Engineering	42	2	24	1	20	7	34	2
Biological Eng. and Agricultural Eng.	411	50	459	48	476	48	526	63
Biomedical Engineering	3,597	339	4,054	357	4,305	363	4,518	376
Chemical Engineering	4,659	336	4,692	333	4,684	296	4,865	289
Civil Engineering	3,847	701	3,837	546	3,704	615	3,587	592
Civil/Environmental Engineering ¹	49	87	133	97	262	115	375	122
Computer Science (Inside Eng.)	5,313	1,093	5,452	894	5,367	940	5,527	781
Electrical/Computer Engineering	13,304	2,168	13,360	1,943	13,435	1,996	13,519	1,862
Engineering (General)	272	69	399	173	380	119	370	150
Engineering Management	136	178	88	152	102	159	95	162
Engr. Science and Engr. Physics	974	62	894	72	880	57	926	55
Environmental Engineering	771	104	649	120	771	100	706	122
Industr./Manuf./Systems Eng.	2,046	500	2,046	475	1,940	509	1,965	467
Mechanical Engineering	5,896	881	6,129	853	6,070	867	6,454	819
Metallurgical and Matrls. Eng.	3,060	221	3,035	267	3,384	236	3,419	248
Mining Engineering	80	13	51	20	78	27	64	13
Nuclear Engineering	529	51	538	51	598	49	623	44
Other Engineering Disciplines	2,573	628	2,540	788	2,764	670	2,982	656
Petroleum Engineering	209	29	171	40	221	47	289	80
TOTAL	49,373	7,704	50,125	7,436	50,903	7,415	52,364	7,086

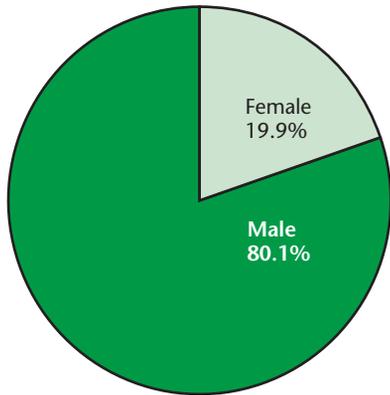
¹ New discipline added in 2005

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.

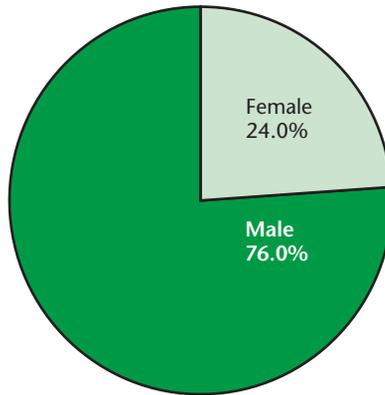
2009		2010		2011		2012		2013		2014	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
1,711	202	1,797	199	1,863	206	1,819	229	1,896	219	2,008	194
49	4	52	3	65	3	69	4	80	4	80	4
591	64	641	87	617	93	664	111	675	92	622	96
4,863	426	5,183	418	5,397	452	5,852	533	6,071	462	5,810	493
5,142	333	5,277	348	5,492	340	5,743	360	5,866	317	5,514	347
3,961	664	4,302	730	4,458	630	4,588	704	4,777	589	4,312	551
383	126	382	119	541	131	666	171	739	199	951	197
5,855	906	6,084	947	6,515	996	6,520	1,079	6,335	1,002	6,410	959
14,506	1,934	14,964	2,078	15,012	2,042	15,308	2,140	15,729	2,176	14,744	1,940
413	158	540	93	581	131	569	122	537	117	540	114
112	225	138	228	133	249	122	300	151	294	158	298
896	66	905	46	912	54	947	53	928	40	876	50
779	105	849	115	868	96	933	88	919	114	945	89
2,253	504	2,326	555	2,320	574	2,190	533	2,233	509	2,139	537
7,183	893	7,767	907	8,085	973	8,256	1,058	8,557	1,059	8,126	1,015
3,597	218	3,733	208	4,016	233	4,241	259	4,424	245	4,143	245
71	12	52	8	92	15	92	25	95	21	86	29
660	45	758	47	738	72	831	84	860	75	829	83
3,058	641	3,341	677	3,593	685	3,753	753	3,871	772	3,815	699
364	40	413	52	464	59	411	65	425	56	479	58
56,447	7,566	59,504	7,865	61,762	8,034	63,574	8,671	65,168	8,362	62,587	7,998

ENROLLMENT BY GENDER

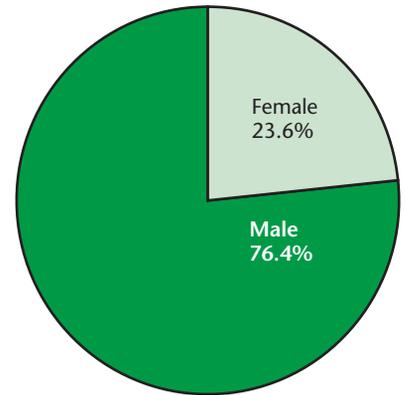
BACHELOR'S



MASTER'S

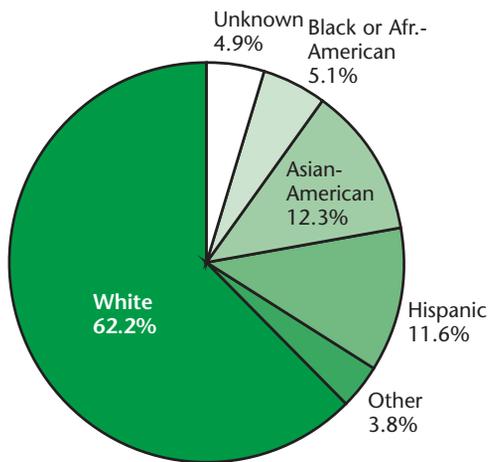


DOCTORAL

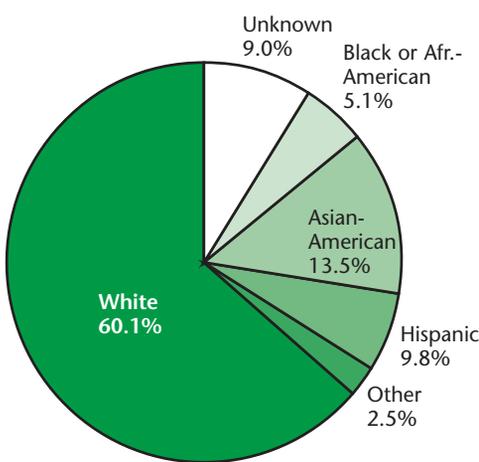


ENROLLMENT BY ETHNICITY*

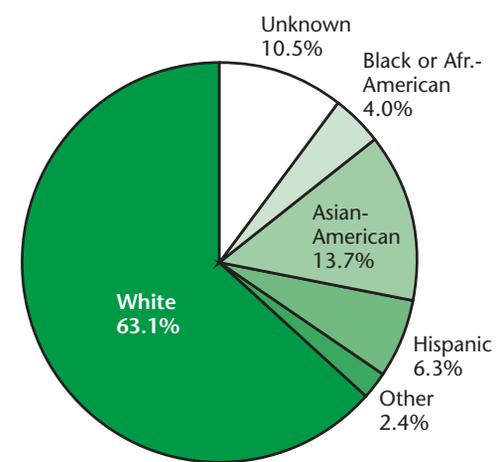
BACHELOR'S



MASTER'S



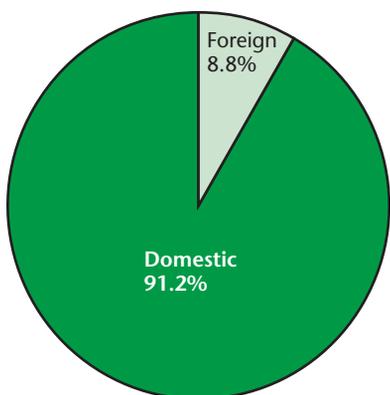
DOCTORAL



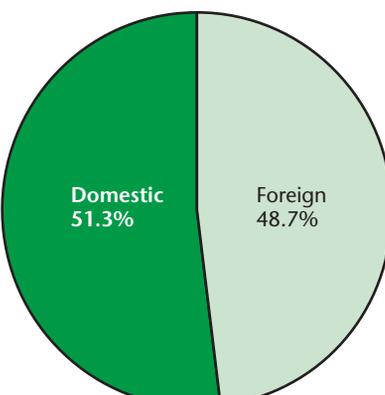
*Calculations for enrollment by ethnicity do not include foreign nationals.

ENROLLMENT BY RESIDENCY

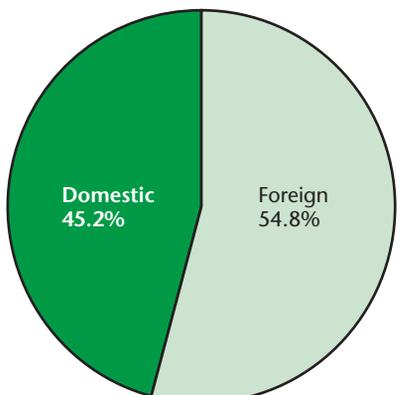
BACHELOR'S



MASTER'S



DOCTORAL



BACHELOR'S TOTAL*
569,274

MASTER'S TOTAL
122,699

DOCTORAL TOTAL
70,585

*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. Nine of those institutions participated in the 2014 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	1103
2. University of Toronto	937
3. Ecole Polytechnique de Montreal	775
4. University of Alberta	738
5. McMaster University	572
6. University of Calgary	544
7. Concordia University, Montreal	471
8. University of Ottawa	397
9. The University of Western Ontario	273

ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL

1. Concordia University, Montreal	605
2. University of Toronto	555
3. University of Ottawa	496
4. University of Waterloo	486
5. Ecole Polytechnique de Montreal	299
6. University of Alberta	281
7. McMaster University	201
8. The University of Western Ontario	111
9. University of Calgary	62

ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL

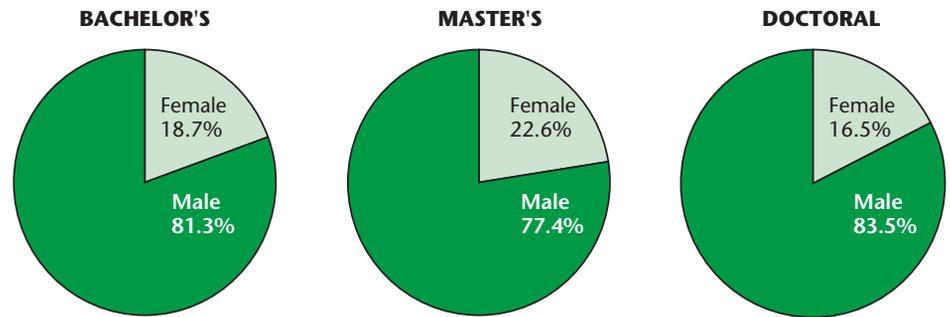
1. University of Waterloo	125
2. University of Alberta	123
3. University of Toronto	110
4. Ecole Polytechnique de Montreal	99
5. The University of Western Ontario	76
6. Concordia University, Montreal	54
7. McMaster University	49
8. University of Ottawa	48
9. University of Calgary	22

RESEARCH EXPENDITURES BY SCHOOL

(IN MILLIONS)

1. University of Alberta	\$60.6
2. McMaster University	\$28.6
3. The University of Western Ontario	\$14.5
4. University of Ottawa	\$14.0
5. Concordia University, Montreal	\$13.7

ENGINEERING DEGREES AWARDED BY GENDER



TENURED/TENURE-TRACK FACULTY MEMBERS BY SCHOOL

1. University of Waterloo	250
2. Ecole Polytechnique de Montreal	235
3. University of Toronto	222
4. University of Alberta	190
5. Concordia University, Montreal	156
6. McMaster University	153
7. University of Calgary	142
8. University of Ottawa	111
9. The University of Western Ontario	91

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

