

ENGINEERING BY THE NUMBERS

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BACHELOR'S ENROLLMENT AND DEGREES

Enrollment in undergraduate engineering programs reached its highest point in 10 years with 619,095 full-time engineering students in 2017, a 3 percent increase over the prior year and a 54 percent increase over undergraduate enrollment in 2008. Degrees awarded reached 124,477, also the highest level in 10 years; a 10 percent increase over 2016 and a 68 percent gain since 2008.

Engineering disciplines that awarded the most degrees in 2017 were mechanical engineering, with 30,030 degrees; computer science (inside engineering), with 15,305 degrees; and electrical engineering, with 12,893 degrees. Forty-seven percent of all undergraduate engineering degrees awarded in 2017 were in these three disciplines

MASTER'S ENROLLMENT AND DEGREES

Enrollment in master's degree engineering programs in 2017 stood at 86,872 students, just 100 more than in 2016.

The number of master's degrees awarded increased slightly from the prior year. In 2017, 64,602 master's degrees were awarded, up from 62,596 in 2016. The most master's degrees awarded were in computer science (inside engineering) with 10,602 degrees; mechanical engineering, with 8,262 degrees; and electrical engineering, with 7,832 degrees. These three disciplines accounted for 41 percent of all master's degrees awarded in 2017.

DOCTORAL ENROLLMENT AND DEGREES

Enrollment in engineering doctoral programs grew slightly, with 70,026 full-time students in 2017, an increase of less than 2,000 full-time students from 2016.

Students graduating with a doctoral degree decreased slightly from the prior year. Engineering programs awarded 11,589 doctoral degrees in 2017, down from 11,654 degrees awarded in 2016.

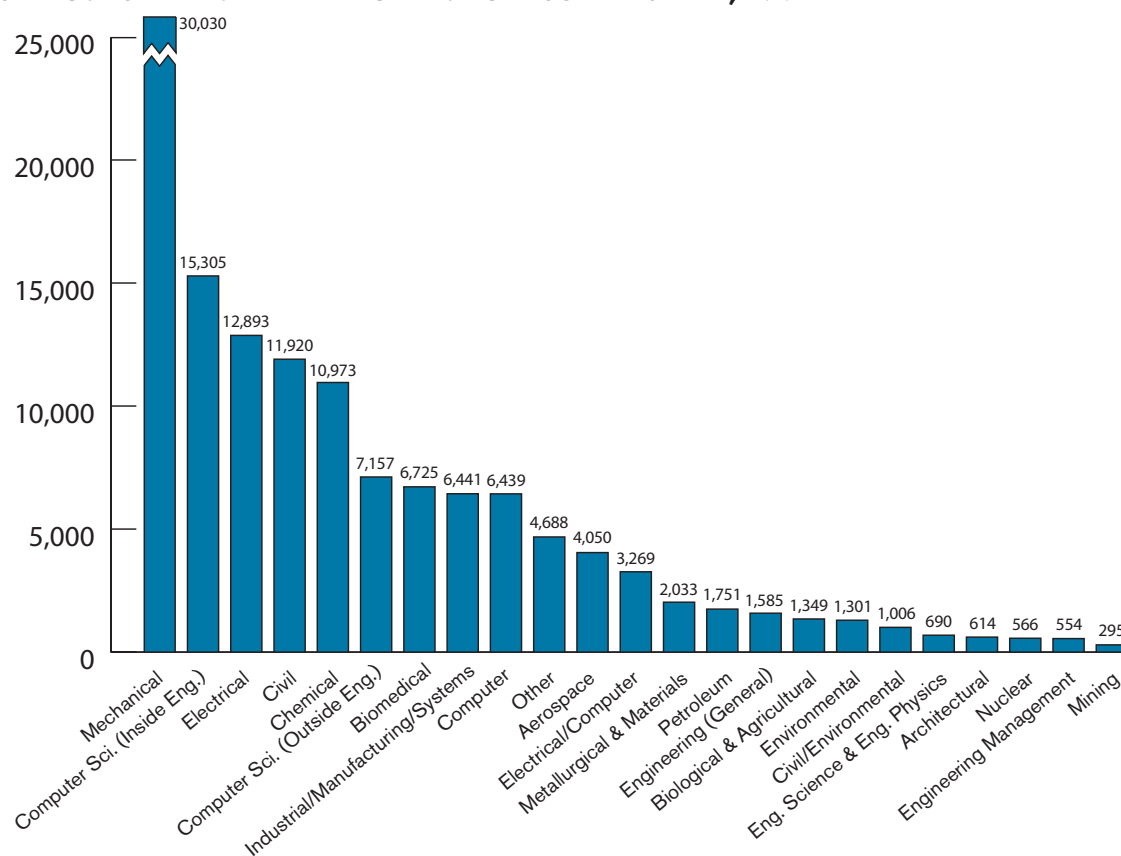
The most doctorates awarded were in mechanical engineering, electrical/computer engineering, and electrical engineering. These three disciplines accounted for 34 percent of all doctoral degrees awarded in 2017.

FEMALE ENGINEERING GRADUATES

The proportion of engineering degrees awarded to women reached a 10-year high in 2017. Women received 21.3 percent of all engineering bachelor's degrees, 25.7 percent of all

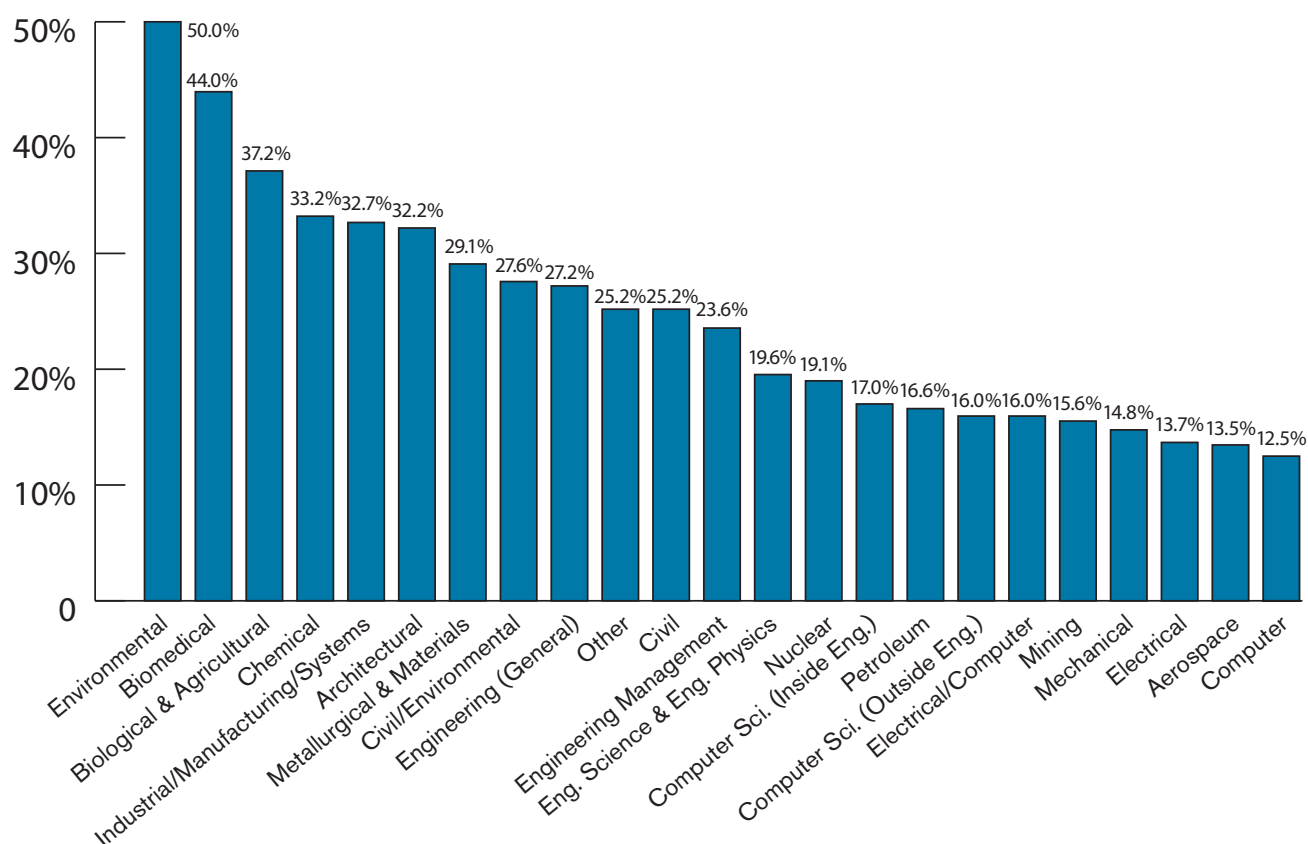
engineering master's degrees, and 23.5 percent of all engineering doctoral degrees, representing a 2 percent to 3 percent increase over the proportion of engineering degrees awarded to females in 2008. Disciplines varied widely in the percentage of degrees awarded to women. Environmental engineering conferred the highest percentage of degrees to females at all levels: 50 percent of bachelor's degrees, 45.7 percent of Master's degrees, and 48.7 percent of doctoral degrees. In engineering disciplines with the most graduates—mechanical engineering, computer science (inside engineering), and electrical engineering—women accounted for a smaller proportion of degrees awarded. In 2017, female students earned 16.2 percent of doctorates in mechanical engineering; 26.8 percent master's degrees in computer science (inside engineering); and 13.7 percent of bachelor's degrees in electrical engineering.

BACHELOR'S DEGREES AWARDED BY ENGINEERING DISCIPLINE: 124,477*



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

PERCENTAGE OF BACHELOR'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 21.3% OF TOTAL

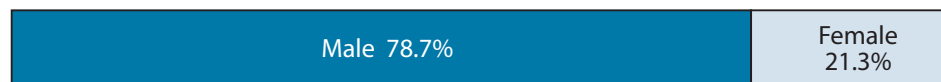


ENGINEERING BACHELOR'S DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	3,060
2. Univ. of Illinois, Urbana-Champaign	2,145
3. University of California, San Diego	1,921
4. The Pennsylvania State University	1,825
5. Virginia Tech	1,784
6. Texas A&M University	1,773
7. Arizona State University	1,741
8. The Ohio State University	1,689
9. Purdue University	1,684
10. University of Michigan	1,586
11. North Carolina State University	1,484
12. University of California, Berkeley	1,420
13. Iowa State University	1,404
14. University of Central Florida	1,357
15. Oregon State University	1,336
16. California Poly. State U., SLO	1,286
17. University of Florida	1,239
18. The University of Texas at Austin	1,170
19. University of Minnesota -Twin Cities	1,091
20. University of Washington	1,070
21. Missouri Univ. of Science and Tech.	1,047
22. Colorado School of Mines	1,034
23. University of Maryland, College Park	1,021
24. Stony Brook University	1,012
25. University of Wisconsin-Madison	990
26. Clemson University	984
27. Michigan State University	974
28. Louisiana State University	961
29. University at Buffalo, SUNY	929
30. Drexel University	914
31. Rutgers University	899
32. California State University, Long Beach	893
32. University of Colorado Boulder	893
34. Florida International University	882
35. Rensselaer Polytechnic Institute	863
36. Cornell University	860
37. California State Poly. U., Pomona	853
38. Massachusetts Institute of Technology	825
39. University of California, Irvine	807
40. University of California, Davis	802
41. University of California, Los Angeles	785
42. Washington State University	776
43. The University of Alabama	768
44. Texas Tech University	763
45. Auburn University	750
46. West Virginia University	748
47. George Mason University	743
48. University of South Florida	736
49. University of Connecticut	735
50. Worcester Polytechnic Institute	700

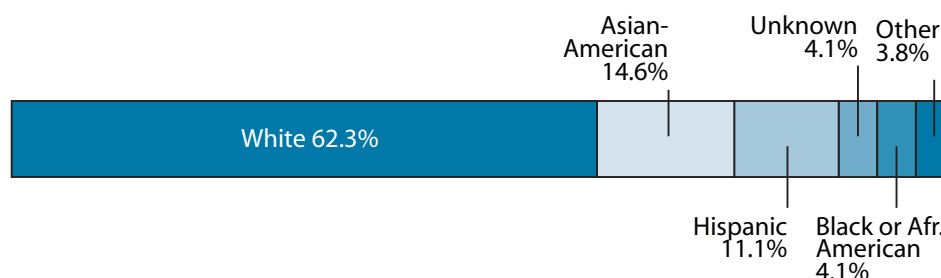
305 schools reported.

BACHELOR'S DEGREES BY GENDER, 2017



	2008	2009	2010	2011	2012	2013	2014	2015	2016
Female	18.1%	18.0%	17.8%	18.1%	18.4%	18.9%	19.1%	19.9%	20.9%
Male	81.9%	82.0%	82.2%	81.9%	81.6%	81.1%	80.9%	80.1%	79.1%

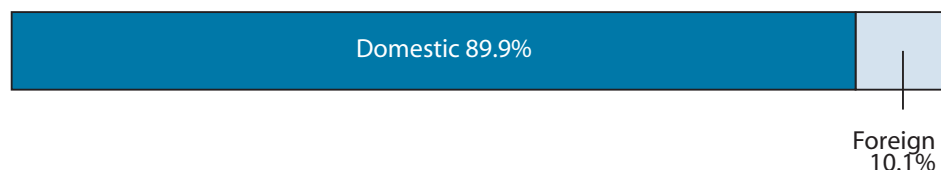
BACHELOR'S DEGREES BY ETHNICITY, 2017*



	2008	2009	2010	2011	2012	2013	2014	2015	2016
Black or Afr. American	4.7%	4.6%	4.5%	4.2%	4.2%	4.3%	3.50%	4.0%	3.9%
Hispanic	6.5%	6.6%	7.0%	8.5%	9.0%	9.3%	10.1%	10.7%	10.7%
Other	8.9%	11.0%	1.2%	1.6%	2.0%	2.3%	2.9%	3.1%	3.6%
Asian American	13.0%	12.4%	12.2%	12.2%	12.2%	12.9%	13.1%	13.4%	14.2%
White	66.9%	65.4%	69.8%	66.6%	66.2%	65.7%	65.9%	64.9%	63.4%
Unknown			5.3%	6.9%	6.5%	5.6%	4.5%	3.9%	4.2%

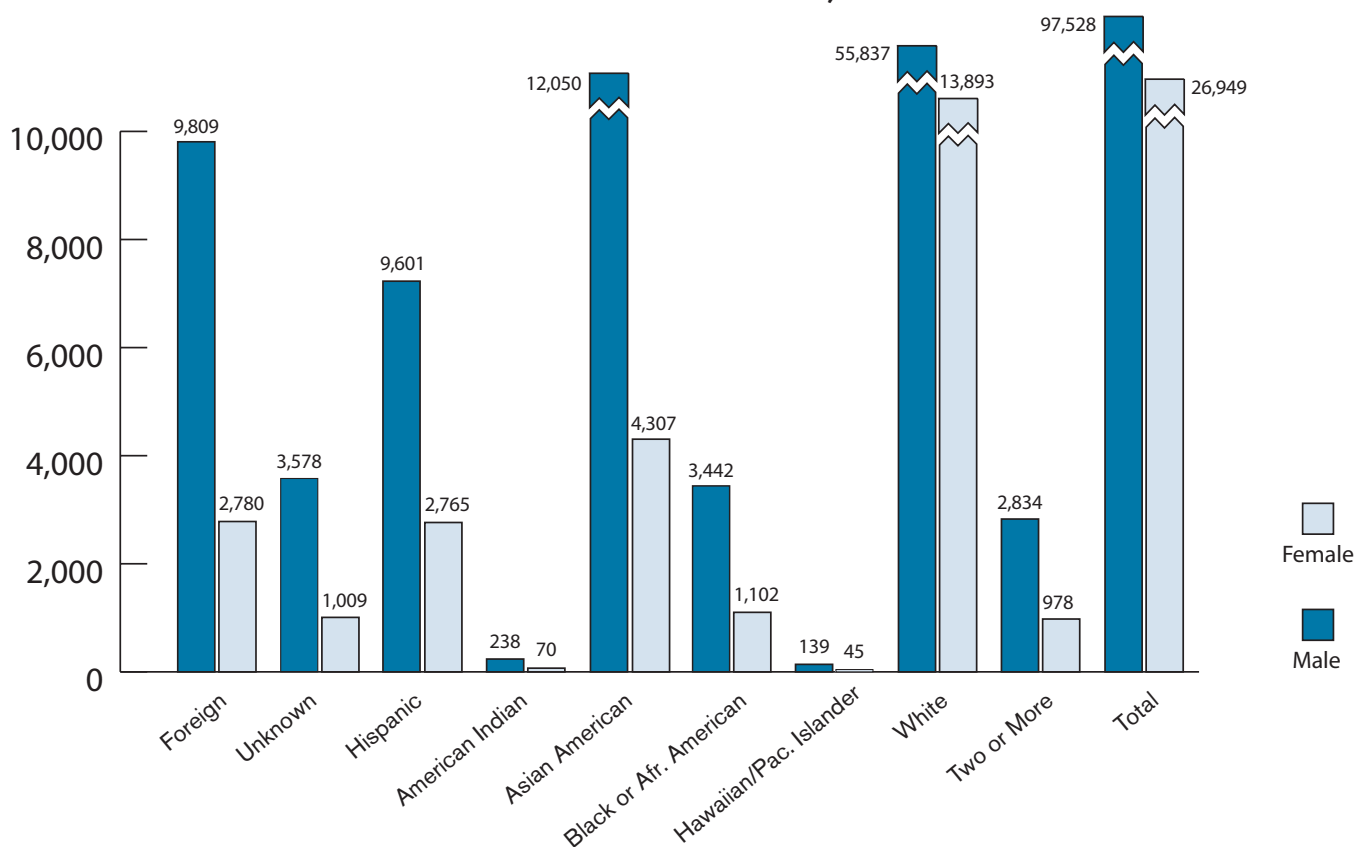
*Data on ethnicity does not include foreign nationals. American Indians (0.3%), Hawaiian/Pacific Islanders (0.2%), and Two or More (3.4%) are combined under Other.

BACHELOR'S DEGREES BY RESIDENCY, 2017



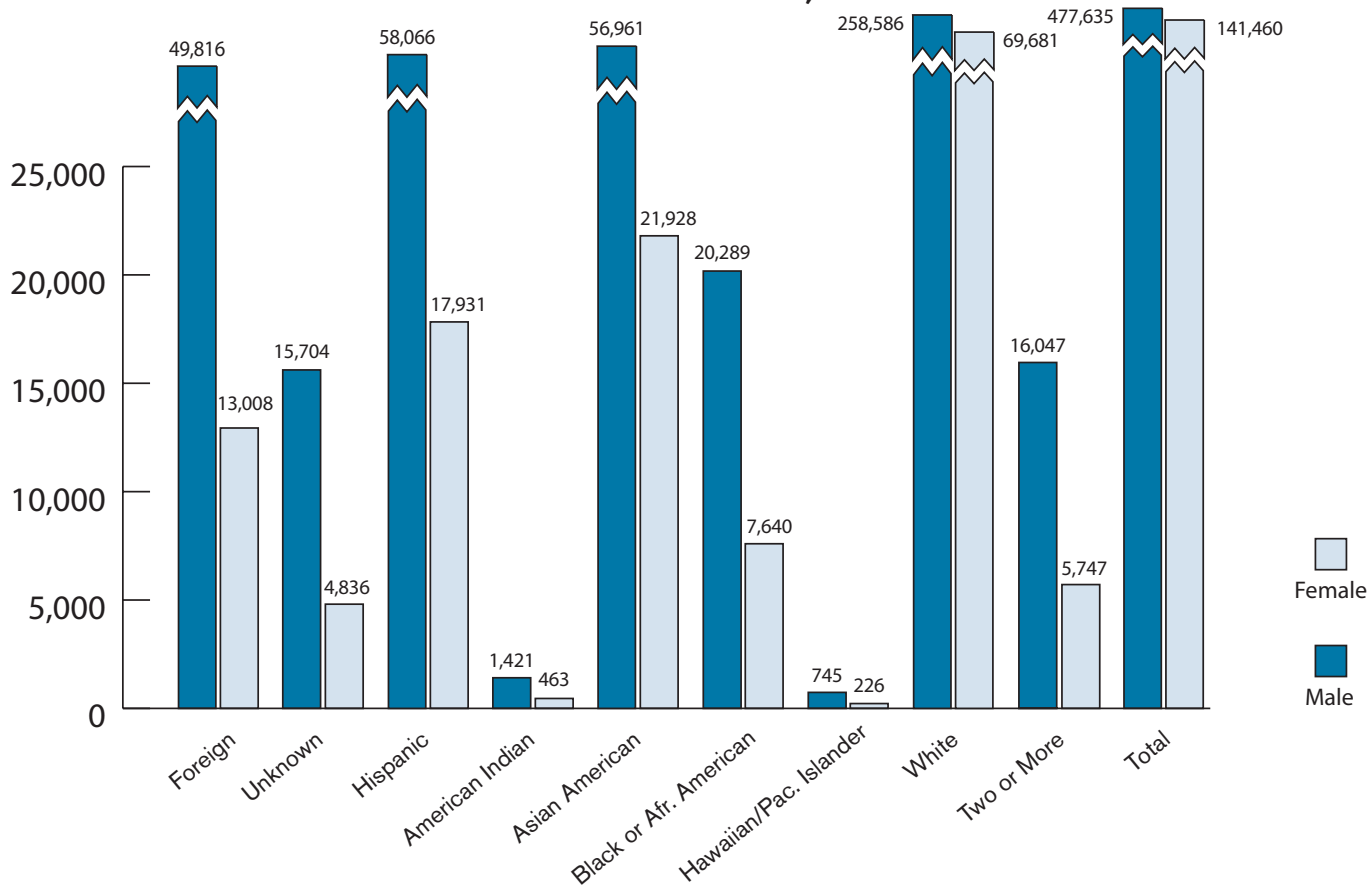
	2008	2009	2010	2011	2012	2013	2014	2015	2016
Foreign	6.0%	6.0%	6.2%	6.7%	7.5%	7.8%	8.5%	9.1%	9.6%
Domestic	94.0%	94.0%	93.8%	93.3%	92.5%	92.2%	91.5%	90.9%	90.4%

BACHELOR'S DEGREES AWARDED BY ETHNICITY AND GENDER: 124,477*



*Includes 482 male and 146 female graduates from schools in Puerto Rico.

UNDERGRADUATE ENROLLMENT BY ETHNICITY AND GENDER: 619,095*



*Includes 3,748 male and 1,395 female enrolled students from schools in Puerto Rico. Enrollment is for full-time students.

BACHELOR'S DEGREES AWARDED TO WOMEN BY SCHOOL

1. Georgia Institute of Technology	912
2. University of California, San Diego	440
3. University of Michigan	430
4. Univ. of Illinois, Urbana-Champaign	395
5. Purdue University	392
6. Texas A&M University	390
7. Massachusetts Institute of Technology	387
8. Virginia Tech	374
9. The Ohio State University	354
10. University of California, Berkeley	346
11. The Pennsylvania State University	341
12. The University of Texas at Austin	336
13. Cornell University	330
14. University of Florida	299
15. North Carolina State University	289
16. Clemson University	286
17. University of Washington	285
18. Arizona State University	282
19. Colorado School of Mines	277
20. California Poly. State U., SLO	268
21. Oregon State University	259
22. Michigan State University	253
23. Rensselaer Polytechnic Institute	249
24. Worcester Polytechnic Institute	243
25. University of Maryland, College Park	239
26. Iowa State University	233
26. Stanford University	233
28. University of California, Davis	230
28. University of Minnesota -Twin Cities	230
30. Stony Brook University	229
31. University of Central Florida	228
32. University of Colorado Boulder	222
33. University of Virginia	221
34. University of Southern California	211
34. University of Wisconsin-Madison	211
36. Rutgers University	206
37. Louisiana State University	204
38. University of Pittsburgh	200
39. Drexel University	196
40. Missouri Univ. of Science and Tech.	194
41. Case Western Reserve University	179
41. University of California, Los Angeles	179
43. University of California, Irvine	176
44. The University of Alabama	169
44. Lehigh University	169
46. Columbia University	166
47. University of Connecticut	165
48. Auburn University	159
49. University of Houston	157
50. Michigan Technological University	155

305 schools reported.

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

1. Olin College of Engineering	53.7%
2. Massachusetts Institute of Technology	46.9%
3. Harvey Mudd College	46.8%
4. Tulane University	45.5%
5. Brown University	43.1%
6. Dartmouth College	42.2%
7. Southern Methodist University	39.3%
8. Cornell University	38.4%
9. Princeton University	37.9%
10. University of Miami	37.8%
11. Columbia University	37.6%
12. Howard University	37.4%
13. William Marsh Rice University	37.0%
14. U.S. Coast Guard Academy	36.2%
15. The George Washington University	35.1%
16. Carnegie Mellon University	34.7%
16. Worcester Polytechnic Institute	34.7%
16. The Johns Hopkins University	34.7%
19. Stanford University	34.6%
20. Lafayette College	34.5%
21. University of Notre Dame	34.1%
22. University of San Diego	34.0%
23. Tuskegee University	33.7%
24. University of Rochester	33.2%

*Minimum of 50 total bachelor's degrees awarded. 272 schools fit this criterion.

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

1. Georgia Institute of Technology	172
2. North Carolina A&T State University	113
3. University of Central Florida	94
4. Morgan State University	89
5. Howard University	82
6. University of Maryland, Baltimore County	79
7. Tuskegee University	75
7. Polytechnic University of Puerto Rico	75
9. Florida International University	74
10. University of Maryland, College Park	64
11. FAMU-FSU College of Engineering	56
11. Kennesaw State University	56
13. Mississippi State University	52
14. North Carolina State University	51
14. City College of the CUNY	51
16. George Mason University	50
17. Texas Tech University	49
18. Clemson University	48
18. University of South Florida	48
20. Auburn University	47

305 schools reported.

BACHELOR'S DEGREES AWARDED TO ASIAN-AMERICANS BY SCHOOL

1. University of California, San Diego	896
2. University of California, Berkeley	729
3. Georgia Institute of Technology	553
4. Univ. of Illinois, Urbana-Champaign	461
5. The University of Texas at Austin	340
6. University of California, Irvine	331
7. University of California, Davis	321
8. University of California, Los Angeles	315
9. Rutgers University	303
9. Stony Brook University	303
11. San Jose State University	298
12. University of Washington	267
13. University of Michigan	256
14. California State Poly. U., Pomona	249
15. Cornell University	241
16. California State University, Long Beach	239
17. George Mason University	223
18. University of Maryland, College Park	217
19. Virginia Tech	216
20. University of Southern California	214

306 schools reported.

BACHELOR'S DEGREES AWARDED TO HISPANICS BY SCHOOL

1. Florida International University	588
2. University of Puerto Rico, Mayaguez	529
3. Texas A&M University	354
4. University of Central Florida	334
5. The University of Texas at El Paso	327
6. California State University, Long Beach	282
7. The Univ. of Texas Rio Grande Valley	277
8. University of Florida	275
9. Arizona State University	266
10. California State Poly. U., Pomona	248
11. University of California, San Diego	232
12. Georgia Institute of Technology	212
13. The University of Texas at San Antonio	194
14. The University of Texas at Austin	177
15. University of Houston	173
16. California Poly. State U., SLO	165
17. Texas A&M University - Kingsville	156
18. University of California, Irvine	154
19. San Diego State University	142
20. Texas Tech University	136

305 schools reported.

AEROSPACE ENGINEERING DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	270
2. Embry Riddle Aero. U., Daytona Beach	178
3. Purdue University	162
4. Virginia Tech	136
5. Iowa State University	128
6. Embry Riddle Aero. U., Prescott	116
7. Texas A&M University	107
8. University of Central Florida	105
8. University of Maryland, College Park	105
10. Univ. of Illinois, Urbana-Champaign	104
11. The University of Texas at Austin	100
12. University of North Dakota	99
13. University of Michigan	97
14. The Pennsylvania State University	94
15. California Poly. State U., SLO	90
16. Rensselaer Polytechnic Institute	87
17. University of Colorado Boulder	84
17. University of Florida	84
19. University of Minnesota -Twin Cities	72
19. University of Washington	72

64 schools reported.

BIOMEDICAL ENGINEERING DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	347
2. University of California, San Diego	156
3. Arizona State University	146
4. Drexel University	142
5. Boston University	131
5. Rutgers University	131
7. Case Western Reserve University	125
8. Duke University	122
9. University of Connecticut	114
10. Clemson University	106
11. The Johns Hopkins University	103
12. The University of Iowa	102
13. Rensselaer Polytechnic Institute	101
14. University of Virginia	97
15. University of California, Davis	96
16. University of Wisconsin-Madison	95
17. University of Maryland, College Park	94
17. University of Michigan	94
19. University of California, Irvine	93
20. Worcester Polytechnic Institute	92

122 schools reported.

CHEMICAL ENGINEERING DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	247
2. The Ohio State University	238
3. University of California, San Diego	230
4. The Pennsylvania State University	196
5. North Carolina State University	178
5. The University of Texas at Austin	178
7. Purdue University	164
8. Univ. of Illinois, Urbana-Champaign	161
9. University of Colorado Boulder	158
10. Texas A&M University	150
11. The University of Alabama	147
11. University of Michigan	147
13. Colorado School of Mines	146
14. Arizona State University	140
15. University of Pittsburgh	136
16. University of Minnesota -Twin Cities	135
17. Oregon State University	130
18. Louisiana State University	129
18. Montana State University	129
18. University of California, Davis	129
21. Iowa State University	128
22. Michigan State University	117
23. University of Florida	113
24. University of Wisconsin-Madison	110
25. Northeastern University	107
26. Rutgers University	105
27. Virginia Tech	100
28. Tennessee Technological University	96
28. University of Kentucky	96
30. California State University, Long Beach	95
30. University of California, Berkeley	95
32. Rensselaer Polytechnic Institute	93
33. Drexel University	92
33. University of Notre Dame	92
35. University of California, Los Angeles	91
36. Missouri Univ. of Science and Tech.	90
37. Auburn University	89
37. Cornell University	89
37. University of Massachusetts Amherst	89
37. University of South Florida	89
37. University of Utah	89
42. Mississippi State University	87
42. Rose-Hulman Institute of Technology	87
42. University of Tennessee, Knoxville	87
45. Worcester Polytechnic Institute	86
46. Brigham Young University	84
47. University of Kansas	83
47. U. of Oklahoma, Gallogly College of Eng.	83
49. Texas Tech University	82
49. University of Maryland, College Park	82

155 schools reported.

CIVIL ENGINEERING DEGREES AWARDED BY SCHOOL

1. Texas A&M University	221
2. Univ. of Illinois, Urbana-Champaign	210
3. Virginia Tech	199
4. Georgia Institute of Technology	198
5. University of California, San Diego	185
6. The Ohio State University	183
7. California State Poly. U., Pomona	181
8. The Pennsylvania State University	156
9. University at Buffalo, SUNY	150
9. University of California, Davis	150
11. Iowa State University	148
12. The University of Alabama	139
13. North Carolina State University	138
14. California State University, Long Beach	134
15. Texas Tech University	132
15. Washington State University	132
17. New Jersey Institute of Technology	129
18. California Poly. State U., SLO	128
18. Purdue University	128
20. University of Washington	127
21. The University of Texas at Austin	122
22. San Diego State University	119
23. Clemson University	118
23. University of Maryland, College Park	118
25. University of Central Florida	117
25. University of Florida	117
27. Montana State University	111
28. Auburn University	107
28. Florida International University	107
28. Oregon State University	107
31. University of South Florida	104
32. Colorado State University	103
32. Louisiana State University	103
34. California State University, Northridge	101
35. University of Connecticut	100
36. University of Delaware	94
37. Portland State University	92
37. University of California, Berkeley	92
39. Manhattan College	91
40. California State University, Fullerton	90
40. Rutgers University	90
42. University of Wisconsin-Madison	88
43. Clarkson University	87
43. The University of Texas at San Antonio	87
45. Drexel University	86
46. The University of Texas at Arlington	84
46. University of Hawaii at Manoa	84
48. Northeastern University	83
49. University of Wisconsin, Platteville	83
50. University of California, Irvine	82

199 schools reported.

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

1. Georgia Institute of Technology	546
2. Texas A&M University	250
3. Purdue University	234
4. University of Michigan	221
5. The Pennsylvania State University	153
6. Virginia Tech	152
7. The Ohio State University	145
8. University of Central Florida	134
9. University of Florida	133
10. Clemson University	128
11. Iowa State University	126
12. California State Poly. U., Pomona	121
13. West Virginia University	119
14. Northwestern University	113
15. Cornell University	109
16. University of Louisiana at Lafayette	106
17. Univ. of Illinois, Urbana-Champaign	104
18. University of Virginia	103
19. California Poly. State U., SLO	95
20. University of Wisconsin-Madison	88
21. University of Pittsburgh	81
22. University of Southern California	80
23. North Carolina State University	79
24. Arizona State University	77
25. Columbia University	76
26. Oregon State University	72
26. SUNY, Binghamton	72
28. University of Minnesota -Twin Cities	68
29. Auburn University	66
29. Washington University in St. Louis	66
31. Rutgers University	65
32. University of Puerto Rico, Mayaguez	64
33. Texas Tech University	62
34. Texas State University	61
35. University of Arizona	60
36. Northeastern University	59
37. George Mason University	58
37. University of Arkansas	58
37. University of South Florida	58
40. Stanford University	54
41. U. of Oklahoma, Gallogly College of Eng.	53
41. University of Washington	53
43. Rensselaer Polytechnic Institute	51
44. The University of Texas at Arlington	49
45. Kansas State University	48
45. Rochester Institute of Technology	48
45. University of California, Berkeley	48
48. Lehigh University	46
48. University of Tennessee, Knoxville	46
48. University of Wisconsin - Stout	46

112 schools reported.

**MECHANICAL ENGINEERING
DEGREES AWARDED BY SCHOOL**

1. Georgia Institute of Technology	776
2. Iowa State University	417
3. Virginia Tech	416
4. The Pennsylvania State University	414
5. Purdue University	407
6. University of Maryland, College Park	341
7. University of Central Florida	319
8. University of Florida	291
9. The University of Texas at Austin	283
10. University of Michigan	275
11. Washington State University	274
12. The University of Alabama	273
13. Texas A&M University	268
14. University of California, Irvine	261
15. Michigan State University	256
15. Univ. of Illinois, Urbana-Champaign	256
17. Drexel University	252
18. University of Colorado Boulder	251
19. University at Buffalo, SUNY	250
20. Arizona State University	243
21. Colorado School of Mines	241
22. California Poly. State U., SLO	238
23. The Ohio State University	227
24. Rensselaer Polytechnic Institute	226
24. Rutgers University	226
26. University of Wisconsin-Madison	225
27. Michigan Technological University	220
27. Texas Tech University	220
29. Montana State University	211
30. California State University, Long Beach	209
31. University of Dayton	208
32. Colorado State University	205
32. Missouri Univ. of Science and Tech.	205
34. University of North Carolina at Charlotte	196
35. Worcester Polytechnic Institute	195
36. University of Minnesota -Twin Cities	194
37. Oklahoma State University	192
38. California State Poly. U., Pomona	187
39. University of Wisconsin, Platteville	186
40. North Carolina State University	185
41. Auburn University	183
42. Northeastern University	182
42. University of Kentucky	182
42. University of Utah	182
45. New Jersey Institute of Technology	181
45. Rochester Institute of Technology	181
45. The University of Texas at San Antonio	181
48. San Diego State University	180
49. Rose-Hulman Institute of Technology	179
50. Kettering University	177

267 schools reported.

**ELECTRICAL ENGINEERING
DEGREES AWARDED BY SCHOOL**

1. Georgia Institute of Technology	331
2. University of California, San Diego	273
3. Univ. of Illinois, Urbana-Champaign	259
4. Arizona State University	223
5. The Pennsylvania State University	210
6. North Carolina State University	203
7. Purdue University	200
8. University of Washington	196
9. University of Central Florida	171
10. California State University, Long Beach	162
11. California Poly. State U., SLO	152
12. Virginia Tech	143
13. University of Maryland, College Park	141
14. California State Poly. U., Pomona	140
15. Iowa State University	138
16. Drexel University	131
17. Washington State University	130
18. University of California, Los Angeles	129
19. University of Florida	123
20. The University of Texas at Dallas	121
21. University of Wisconsin-Madison	119
22. SUNY, Binghamton	116
23. Rochester Institute of Technology	114
24. University of Minnesota -Twin Cities	112
25. University of Michigan	108
26. The University of Texas at San Antonio	107
27. University of California, Davis	105
28. University of California, Irvine	104
29. City College of the CUNY	102
29. Florida International University	102
29. University of Puerto Rico, Mayaguez	102
32. Missouri Univ. of Science and Tech.	96
33. University at Buffalo, SUNY	95
33. University of Illinois at Chicago	95
35. Michigan Technological University	94
35. Rensselaer Polytechnic Institute	94
35. University of Massachusetts Lowell	94
38. San Jose State University	92
39. Kennesaw State University	85
40. George Mason University	83
41. California State University, Northridge	82
42. San Diego State University	81
42. The University of Texas at El Paso	81
44. Milwaukee School of Engineering	80
45. Michigan State University	79
45. Morgan State University	79
47. Northeastern University	78
48. University of Houston	77
49. North Dakota State University	75
50. New Jersey Institute of Technology	74

233 schools reported.

COMPUTER ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of California, Berkeley	469
2. Univ. of Illinois, Urbana-Champaign	276
3. Georgia Institute of Technology	180
4. Iowa State University	159
5. North Carolina State University	151
6. San Jose State University	137
7. Virginia Tech	123
8. California Poly. State U., SLO	111
9. University of Central Florida	109
10. Purdue University	103
10. University of Florida	103
12. University of Michigan	101
13. Florida International University	85
14. University of Maryland, College Park	84
15. Drexel University	82
16. Arizona State University	78
17. California State Poly. U., Pomona	76
18. Santa Clara University	75
19. University of California, San Diego	73
20. University of California-Santa Cruz	72
20. University of Nevada, Reno	72
22. Rensselaer Polytechnic Institute	71
23. Northeastern University	70
24. Missouri Univ. of Science and Tech.	69
24. University of Wisconsin-Madison	69
26. University of Pittsburgh	68
27. Boston University	67
28. The Pennsylvania State University	61
29. California State University, Long Beach	56
30. The University of Texas at Dallas	55
30. University of California, Irvine	55
32. University of Minnesota -Twin Cities	53
33. University of Puerto Rico, Mayaguez	52
34. University of South Florida	50
34. University of Virginia	50
36. Michigan Technological University	49
37. Clemson University	47
37. Rochester Institute of Technology	47
39. Stony Brook University	43
40. University of California, Santa Barbara	42
40. University of Maryland, Baltimore County	42
42. New Jersey Institute of Technology	41
42. University of Massachusetts Amherst	41
42. University of Southern California	41
45. FAMU-FSU College of Engineering	40
45. University at Buffalo, SUNY	40
47. Michigan State University	39
47. University of Kentucky	39
49. NYU Tandon School of Engineering	38
49. University of California, Riverside	38

181 schools reported.

ELECTRICAL/COMPUTER ENGINEERING DEGREES AWARDED BY SCHOOL

1. University of California, Berkeley	390
2. The University of Texas at Austin	282
3. The Ohio State University	238
4. Rutgers University	183
5. Carnegie Mellon University	163
6. Oregon State University	123
7. Brigham Young University	117
8. Massachusetts Institute of Technology	108
9. Worcester Polytechnic Institute	105
10. New York Institute of Technology	104
11. Duke University	95
12. University of Arizona	92
13. Cornell University	81
14. The University of Iowa	78
15. Univ. of Akron, Eng. & Sci. Tech Dept.	77
16. Southern Illinois University Carbondale	67
17. Northern Illinois University	64
18. University of Colorado Boulder	59
18. University of South Alabama	59
20. Colorado State University	58

53 schools reported.

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

1. Georgia Institute of Technology	655
2. University of California, Irvine	599
3. The University of Texas at Austin	477
4. University of Maryland, College Park	359
5. Rutgers University	338
6. University of Wisconsin-Madison	337
7. University of California, Davis	294
8. New Jersey Institute of Technology	273
9. Purdue University	229
10. University of Massachusetts Amherst	206
11. University of Michigan	190
12. FAMU-FSU College of Engineering	181
13. Northeastern University	178
14. University of Arizona	171
15. Rensselaer Polytechnic Institute	167
16. Carnegie Mellon University	156
17. University of Pittsburgh	151
18. Brigham Young University	149
18. University of Houston	149
20. University of Virginia	133

51 schools reported.

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

COMPUTER SCIENCE (INSIDE ENG.) DEGREES AWARDED BY SCHOOL

1. University of California, San Diego	705
2. Oregon State University	495
3. Arizona State University	386
4. University of Central Florida	371
5. Florida International University	336
5. Univ. of Illinois, Urbana-Champaign	336
7. University of Michigan	330
8. Massachusetts Institute of Technology	290
9. The University of Texas at Dallas	281
10. Stanford University	273
11. The Ohio State University	268
12. University of California-Santa Cruz	265
13. Stony Brook University	253
14. Texas A&M University	235
15. Cornell University	233
16. University of Minnesota -Twin Cities	227
17. University of Southern California	218
18. University of South Florida	206
18. University of Washington	206
20. Virginia Tech	200
21. University of California, Los Angeles	187
22. Univ. of Maryland, Baltimore County	182
23. North Carolina State University	170
24. University of Pennsylvania	165
25. The Pennsylvania State University	157
26. Michigan State University	154
27. George Mason University	143
28. California Poly. State U., SLO	142
29. California State University, Long Beach	141
29. The University of Texas at Arlington	141
31. California State University, Fullerton	136
32. Harvard University	134
32. University of Virginia	134
34. University of Illinois at Chicago	130
35. Princeton University	129
36. University of Utah	125
37. University of North Texas	123
38. California State University, Northridge	120
39. Clemson University	117
40. Portland State University	116
40. University of Connecticut	116
42. University at Buffalo, SUNY	113
43. Oakland University	110
43. Washington State University	110
45. Auburn University	103
46. Case Western Reserve University	100
46. Washington University in St. Louis	100
48. SUNY, Binghamton	99
49. University of Colorado Boulder	98
49. University of Kentucky	98

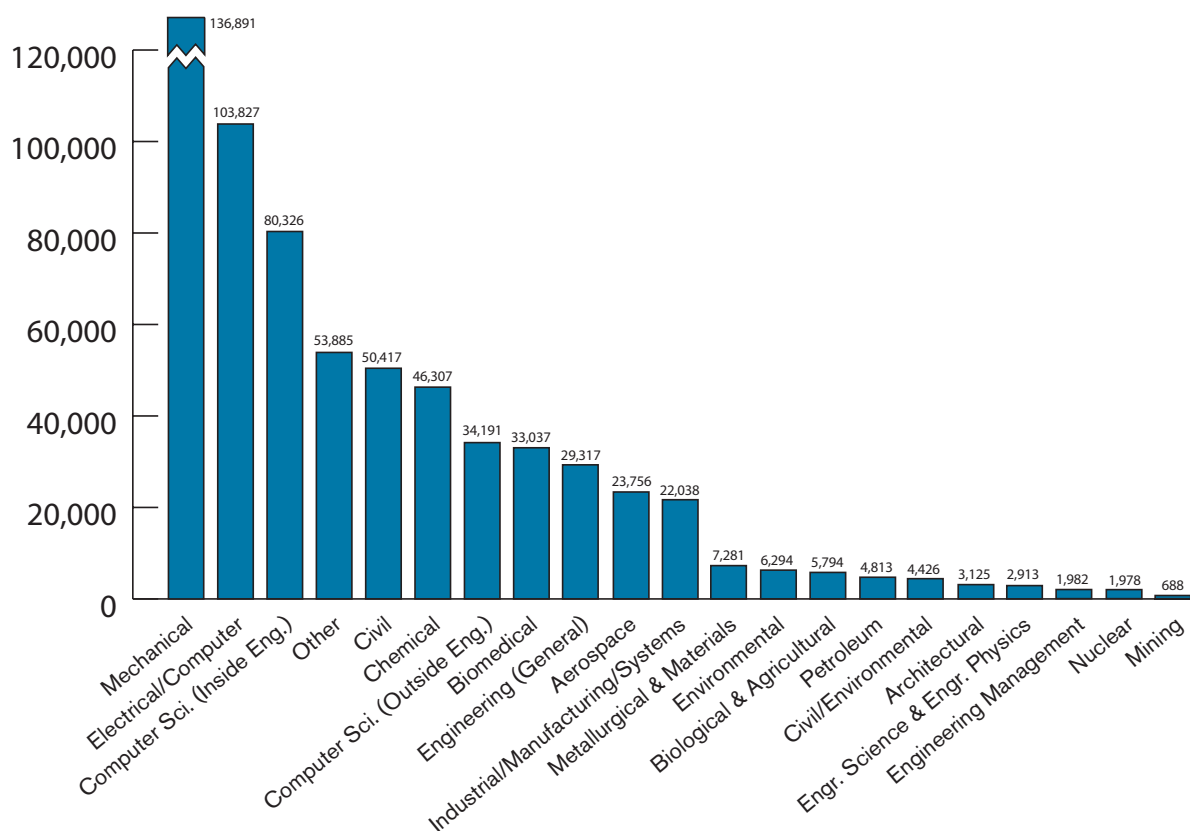
171 schools reported.

UNDERGRADUATE ENROLLMENT BY SCHOOL*

1. Arizona State University	12,995	23. George Mason University	5,480	45. Washington State University	3,959
2. Texas A&M University	12,982	24. Clemson University	5,459	46. San Diego State University	3,956
3. University of Central Florida	9,467	25. Auburn University	5,282	47. Mississippi State University	3,932
4. Georgia Institute of Technology	9,377	26. University of California Berkeley	5,213	48. U. of Oklahoma Gallogly College of Eng.	3,917
5. Univ. of Illinois, Urbana-Champaign	9,337	27. The University of Texas at Dallas	5,128	49. Rutgers University	3,904
6. Purdue University	8,918	28. University of South Florida	5,008	50. California State University Long Beach	3,895
7. The Pennsylvania State University	8,461	29. California State Poly. U., Pomona	4,991		
8. Iowa State University	8,211	30. Texas Tech University	4,849		
9. Virginia Tech	8,151	31. University of Colorado Boulder	4,848		
10. The Ohio State University	8,022	32. Florida International University	4,761		
11. Oregon State University	7,748	33. Colorado School of Mines	4,757		
12. University of Florida	7,047	34. University of Wisconsin-Madison	4,642		
13. North Carolina State University	6,986	35. University of Puerto Rico Mayaguez	4,629		
14. California Poly. State U., SLO	6,656	36. San Jose State University	4,472		
15. University of Michigan	6,409	37. University of Minnesota -Twin Cities	4,465		
16. The University of Texas at Austin	6,019	38. University of Cincinnati	4,321		
17. Michigan State University	5,906	39. The University of Texas at Arlington	4,279		
18. University of California San Diego	5,837	40. University of California-Santa Cruz	4,234		
19. The University of Alabama	5,714	41. California State University Northridge	4,178		
20. Louisiana State University	5,660	42. West Virginia University	4,108		
21. University of Washington	5,650	43. University of Maryland College Park	4,099		
22. Missouri Univ. of Science and Tech.	5,608	44. University at Buffalo SUNY	4,014		

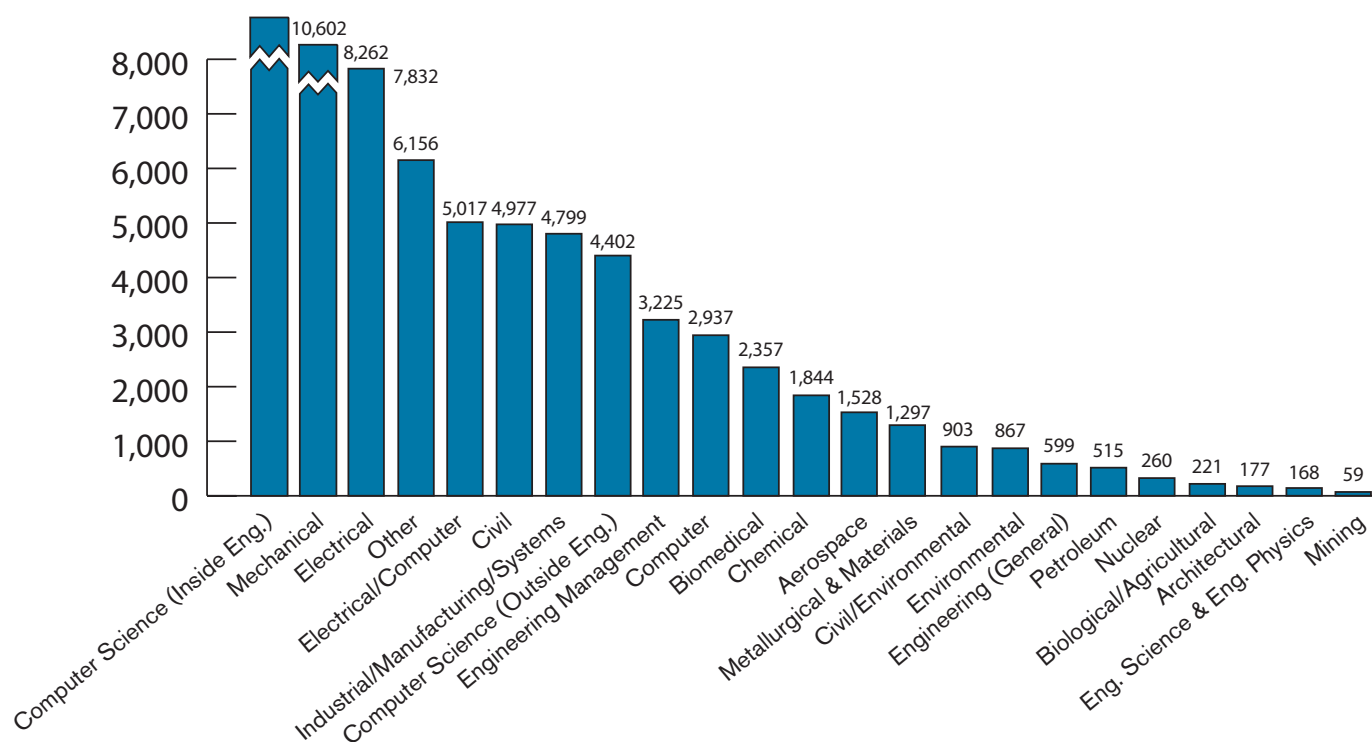
*Some schools do not permit formal enrollment in their engineering colleges until the second or third year. Enrollment is full-time plus part-time students.

UNDERGRADUATE ENROLLMENT BY DISCIPLINE: 619,095*



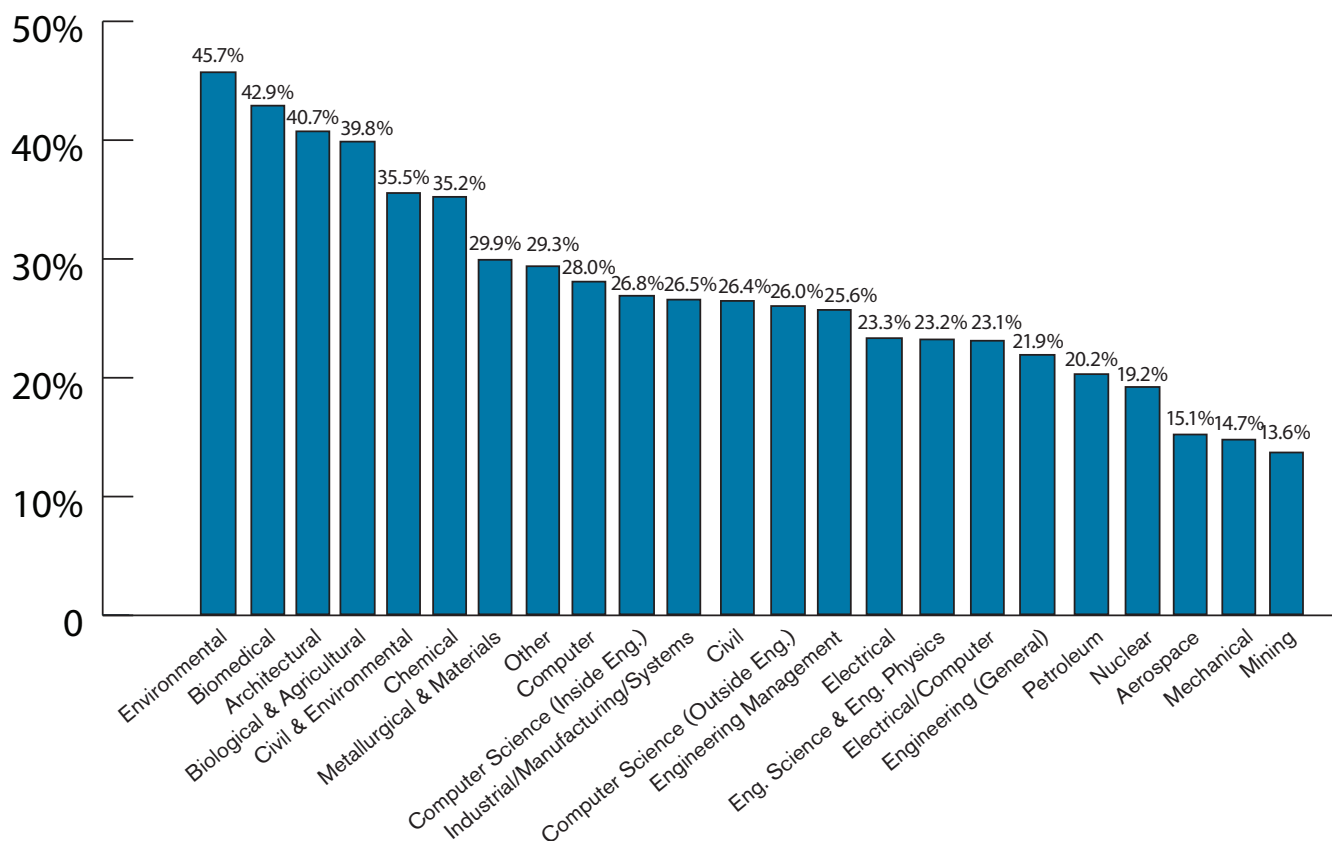
*Enrollment is for full-time bachelor's degree candidates in engineering. Total does not include computer science (outside engineering).

MASTER'S DEGREES AWARDED BY DISCIPLINE: 64,602*



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

PERCENTAGE OF MASTER'S DEGREES AWARDED TO WOMEN BY DISCIPLINE: 25.7% OF TOTAL



ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL

1. University of Southern California	2,274
2. The University of Texas at Arlington	1,367
3. Columbia University	1,366
4. Arizona State University	1,203
5. NYU Tandon School of Engineering	1,169
6. San Jose State University	1,129
7. Georgia Institute of Technology	1,126
8. Stanford University	1,119
9. University of Michigan	1,106
10. The Johns Hopkins University	1,043
11. North Carolina State University	1,027
12. Northeastern University	1,014
13. Cornell University	979
14. Carnegie Mellon University	967
15. Stevens Institute of Technology	918
16. The University of Texas at Dallas	896
17. Univ. of Illinois, Urbana-Champaign	868
18. University of Florida	865
19. Texas A&M University - Kingsville	849
20. University of California, San Diego	812
21. Texas A&M University	783
22. Massachusetts Institute of Technology	760
23. University of Washington	717
24. University of California, Los Angeles	716
25. New York Institute of Technology	693
26. Purdue University	679
27. University of California, Berkeley	645
28. University of Colorado Boulder	616
29. University at Buffalo, SUNY	613
30. California State University, Fullerton	611
31. Wayne State University	607
32. New Jersey Institute of Technology	587
32. Northwestern University	587
34. University of Illinois at Chicago	584
35. Stony Brook University	553
36. George Mason University	550
37. Missouri Univ. of Science and Tech.	545
38. University of Pennsylvania	521
39. University of Maryland, College Park	510
40. University of South Florida	504
41. Virginia Tech	501
42. The Ohio State University	494
43. The George Washington University	478
44. Illinois Institute of Technology	475
45. University of Minnesota -Twin Cities	471
46. The University of Texas at Austin	464
47. Washington University in St. Louis	457
48. University of Michigan-Dearborn	437
49. Wright State University	435
50. University of Bridgeport	425

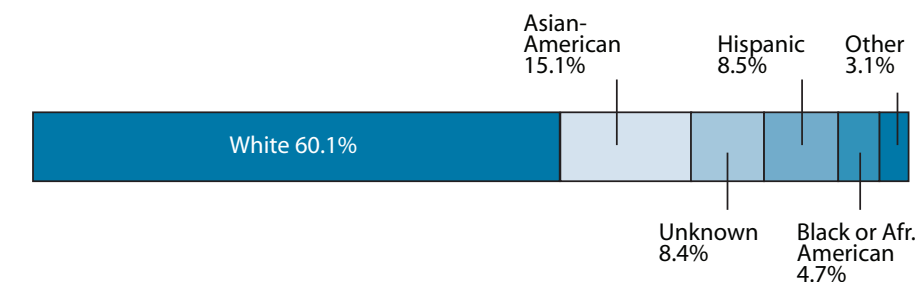
244 schools reported.

MASTER'S DEGREES BY GENDER, 2017



	2008	2009	2010	2011	2012	2013	2014	2015	2016
Female	22.4%	23.0%	23.0%	22.6%	22.6%	23.1%	23.9%	24.2%	25.4%
Male	77.6%	77.0%	77.0%	77.4%	77.4%	76.9%	76.1%	75.8%	74.6%

MASTER'S DEGREES BY ETHNICITY, 2017*



	2008	2009	2010	2011	2012	2013	2014	2015	2016
Black or Afr. American	4.6%	4.8%	4.7%	5.1%	4.9%	4.7%	4.7%	4.4%	4.7%
Hispanic	5.2%	5.4%	5.3%	6.0%	6.3%	7.3%	7.6%	7.7%	8.3%
Other	15.2%	15.1%	17.4%	1.4%	1.5%	2.0%	2.2%	2.6%	3.0%
Asian American	16.5%	15.4%	15.1%	14.9%	15.5%	14.5%	15.0%	14.5%	15.1%
White	58.5%	59.3%	57.5%	60.9%	58.2%	59.7%	59.5%	60.2%	59.5%
Unknown				11.7%	13.6%	11.8%	11.0%	10.6%	9.4%

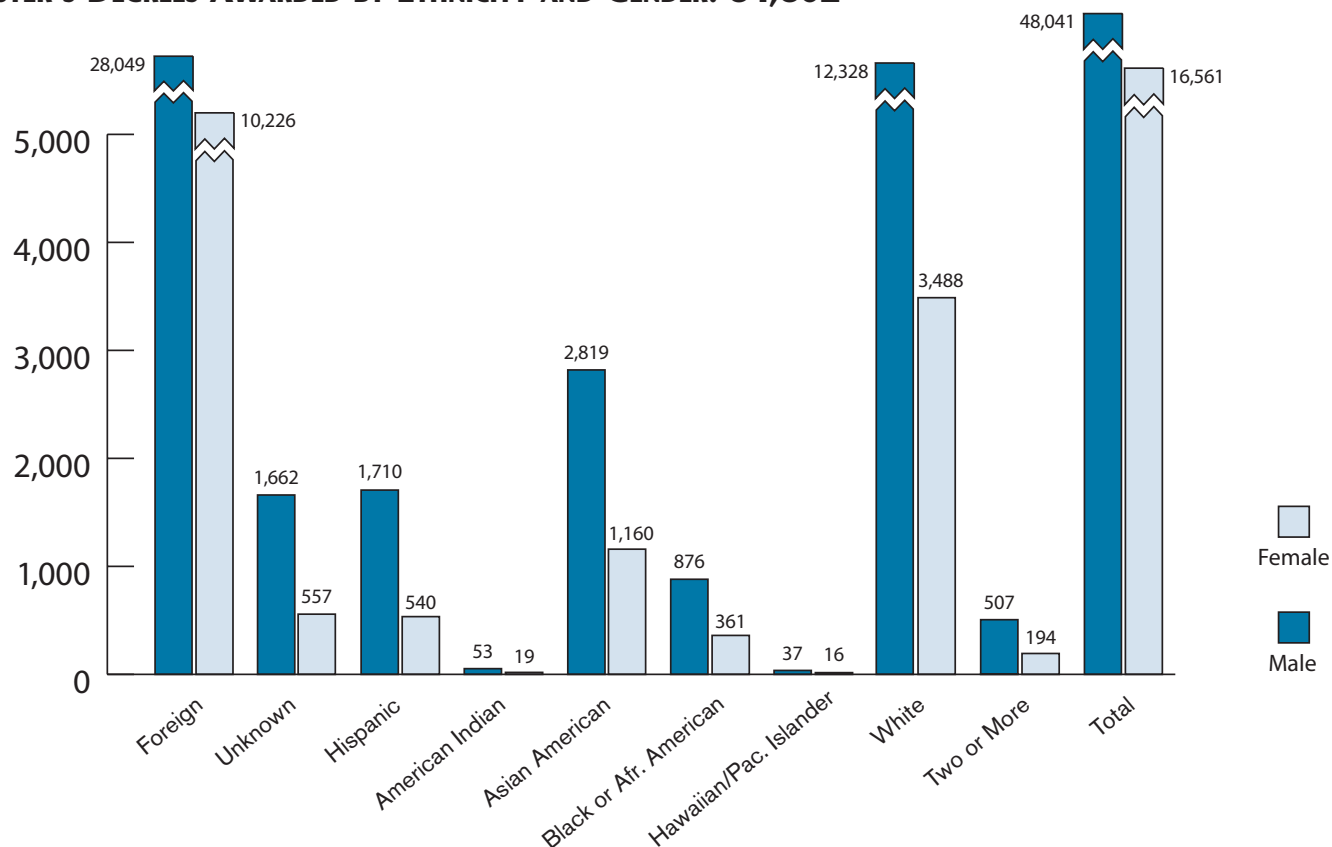
*Data on ethnicity does not include foreign nationals. American Indians (0.3%), Hawaiian/Pacific Islanders (0.2%), and Two or More (2.7%) are combined under Other.

MASTER'S DEGREES BY RESIDENCY, 2017



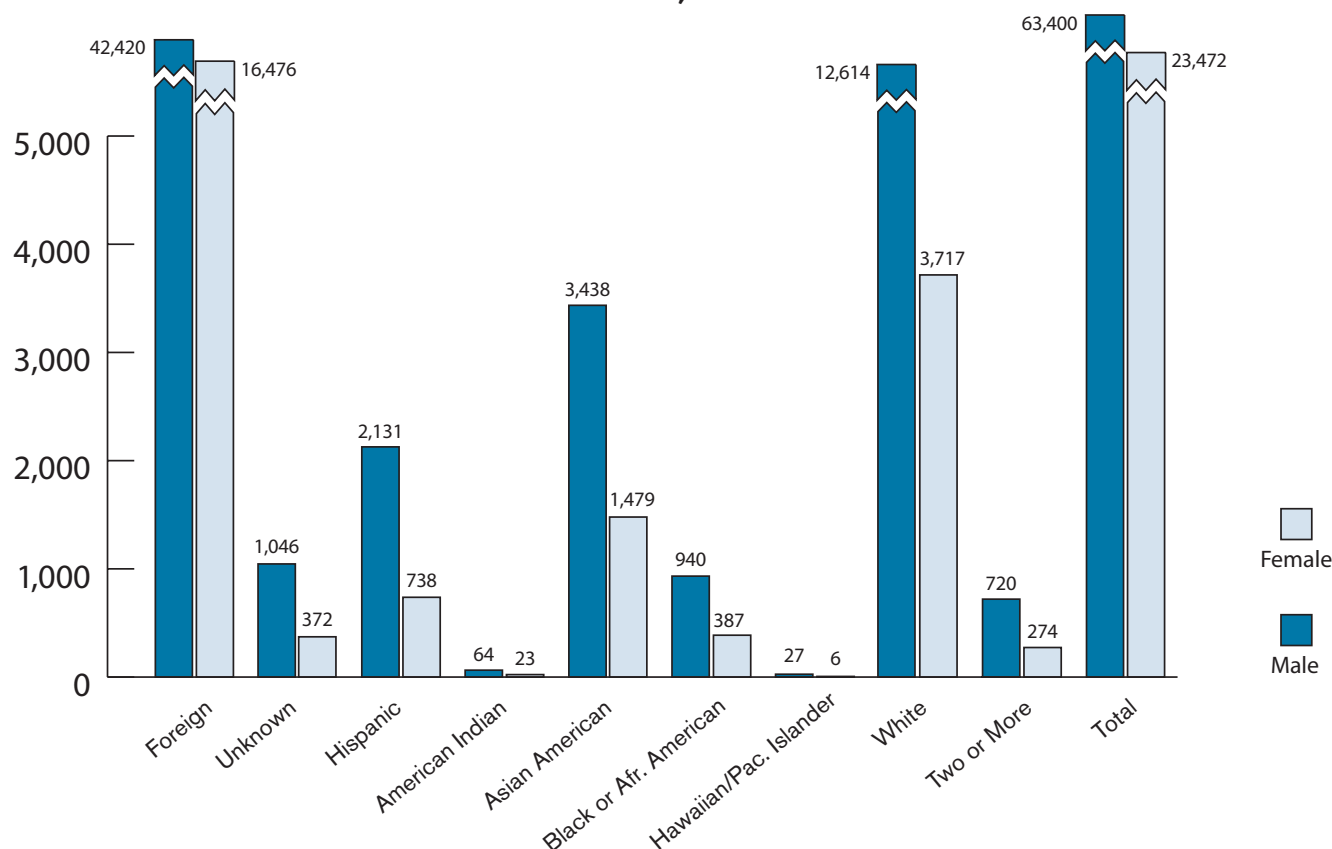
	2008	2009	2010	2011	2012	2013	2014	2015	2016
Foreign	41.7%	44.1%	46.1%	44.4%	43.3%	45.3%	47.5%	52.6%	58.1%
Domestic	58.3%	55.9%	53.9%	55.6%	56.7%	54.7%	52.5%	47.4%	41.9%

MASTER'S DEGREES AWARDED BY ETHNICITY AND GENDER: 64,602*



*Includes 58 male and 24 female graduates from Puerto Rico.

MASTER'S ENROLLMENT BY ETHNICITY AND GENDER: 86,872*



*Includes 165 male and 70 female enrolled students from Puerto Rico.

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

1. Brown University	47.2%
2. Tufts University	40.7%
3. Santa Clara University	39.4%
4. San Jose State University	39.1%
5. Vanderbilt University	38.9%
6. Duke University	38.5%
6. North Carolina A&T State University	38.5%
8. California Institute of Technology	36.4%
9. Northwestern University	35.4%
10. Louisiana State University	35.1%
11. University of California, Irvine	34.9%
12. University of Miami	34.5%
13. Columbia University	34.0%
13. University of Massachusetts Amherst	34.0%
15. Dartmouth College	33.9%
16. University of California, Berkeley	33.8%
17. University of Wisconsin, Milwaukee	33.6%
18. Cornell University	33.4%
19. Univ. of Maryland, Baltimore County	33.2%
20. Carnegie Mellon University	33.1%

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

PERCENTAGE OF DOCTORAL DEGREES AWARDED TO WOMEN BY SCHOOL*

1. Tufts University	52.0%
2. University of Massachusetts Lowell	51.4%
3. Vanderbilt University	43.1%
4. Washington University in St. Louis	39.6%
5. Michigan Technological University	39.3%
6. Stevens Institute of Technology	38.9%
7. University of Massachusetts Amherst	37.3%
8. Duke University	36.7%
9. Clemson University	36.4%
10. Syracuse University	36.2%
11. University of Kansas	35.5%
11. City College of the CUNY	35.5%
13. The Johns Hopkins University	35.4%
14. Northeastern University	33.3%
15. Auburn University	32.4%
15. University of California, Berkeley	32.4%
17. University of Houston	31.4%
17. Yale School of Eng. & Applied Science	31.4%
19. Kansas State University	31.0%
20. University of Louisville	30.8%

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

GRADUATE ENROLLMENT BY SCHOOL*

1. University of Southern California	6,742
2. Georgia Institute of Technology	4,779
3. The Johns Hopkins University	4,101
4. Univ. of Illinois, Urbana-Champaign	4,096
5. Arizona State University	3,806
6. Northeastern University	3,717
7. University of Michigan	3,687
8. Texas A&M University	3,654
9. Stanford University	3,642
10. Columbia University	3,487
11. Purdue University	3,465
12. North Carolina State University	3,359
13. Massachusetts Institute of Technology	3,126
14. University of California San Diego	2,781
15. The University of Texas at Arlington	2,755
16. University of Florida	2,748
17. Carnegie Mellon University	2,526
18. University of Washington	2,444
19. San Jose State University	2,335
20. The University of Texas at Dallas	2,299
21. Virginia Tech	2,274
22. University of California Los Angeles	2,265
23. University of California Berkeley	2,264
24. NYU Tandon School of Engineering	2,255
25. Cornell University	2,222
26. Northwestern University	2,141
27. The George Washington University	2,109
28. The University of Texas at Austin	2,097
29. University of Maryland College Park	1,961
30. University at Buffalo SUNY	1,903
31. University of Minnesota -Twin Cities	1,898
32. University of Colorado Boulder	1,884
33. Stevens Institute of Technology	1,875
34. University of Pennsylvania	1,849
35. The Ohio State University	1,812
36. The Pennsylvania State University	1,726
37. George Mason University	1,709
38. Stony Brook University	1,648
39. University of Central Florida	1,539
40. University of Illinois at Chicago	1,509
41. University of Wisconsin-Madison	1,489
42. Iowa State University	1,450
43. New Jersey Institute of Technology	1,318
44. Wayne State University	1,317
45. University of Houston	1,287
46. Colorado School of Mines	1,283
47. Clemson University	1,281
48. University of South Florida	1,267
49. University of Michigan-Dearborn	1,226
50. University of Utah	1,220

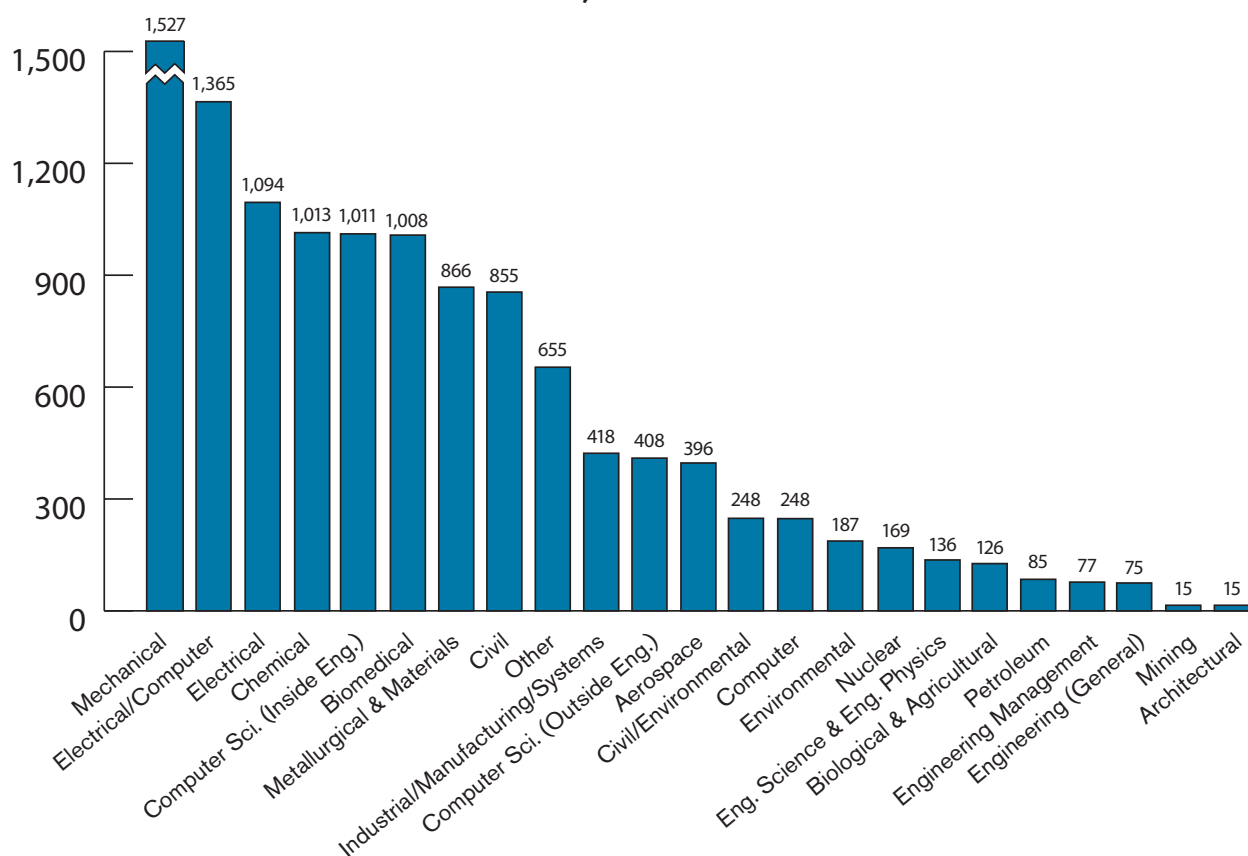
*246 schools reported. Includes both part-time and full-time.

ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL

1. Georgia Institute of Technology	370
2. Massachusetts Institute of Technology	332
3. Purdue University	289
4. Univ. of Illinois, Urbana-Champaign	287
5. Stanford University	273
6. University of Michigan	265
7. Texas A&M University	260
8. University of California, Berkeley	244
9. The University of Texas at Austin	206
9. Virginia Tech	206
11. University of Florida	184
12. North Carolina State University	182
13. The Ohio State University	175
13. The Pennsylvania State University	175
15. University of California, San Diego	171
16. Cornell University	166
17. Arizona State University	160
18. University of Wisconsin-Madison	159
19. University of California, Los Angeles	156
20. Northwestern University	149
21. University of Minnesota -Twin Cities	148
22. University of Southern California	143
23. Columbia University	142
24. University of Washington	131
25. Carnegie Mellon University	131
26. The Johns Hopkins University	130
27. University of Colorado Boulder	122
28. University of Maryland, College Park	120
29. University of Tennessee, Knoxville	111
30. University of California, Davis	110
30. Clemson University	110
32. Iowa State University	104
33. Colorado School of Mines	99
34. William Marsh Rice University	97
35. Northeastern University	96
36. Stony Brook University	92
37. The University of Texas at Dallas	88
37. University of Utah	88
39. University of California, Irvine	87
39. University of California, Riverside	87
41. University of California, Santa Barbara	86
42. Princeton University	84
43. University of Connecticut	83
43. University of Delaware	83
45. University of Central Florida	81
46. California Institute of Technology	79
46. The University of Texas at Arlington	79
46. Washington State University	79
46. Duke University	79
50. The George Washington University	77

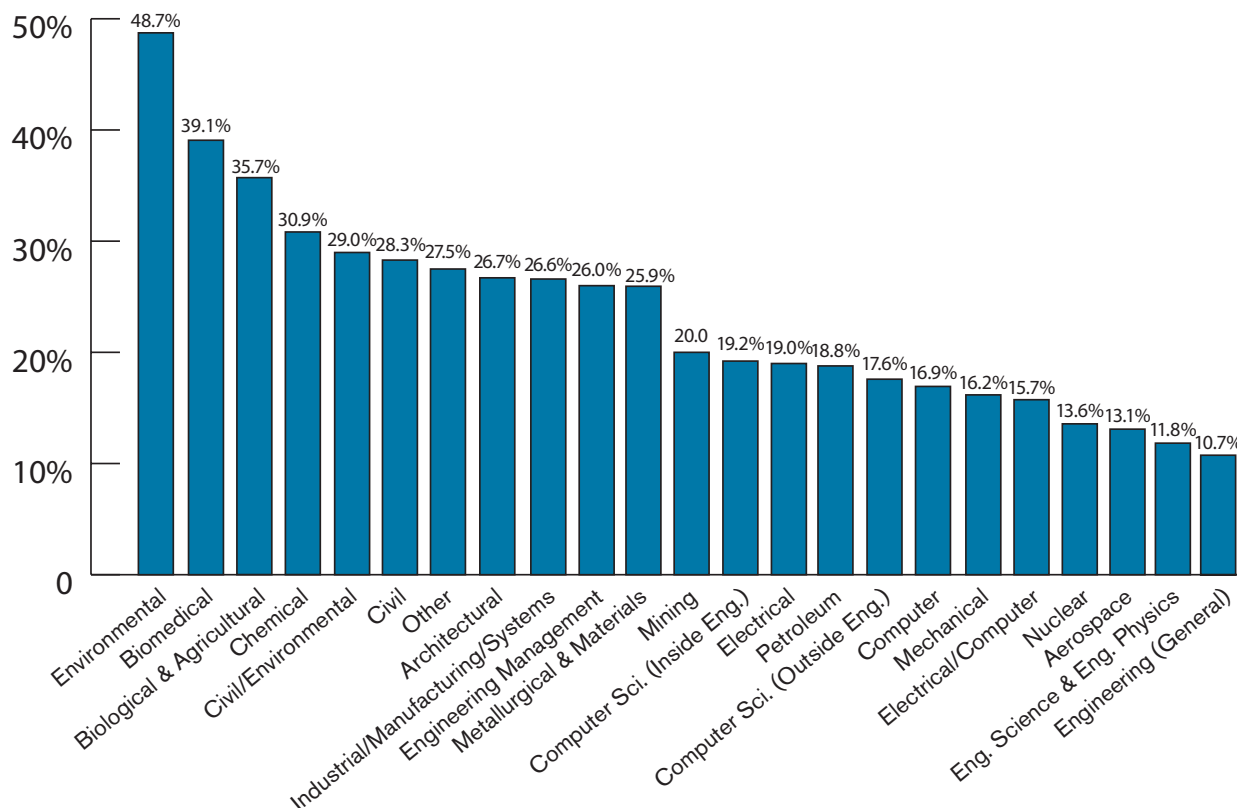
193 schools reported.

DOCTORAL DEGREES AWARDED BY DISCIPLINE: 11,589*



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

PERCENTAGE OF DOCTORAL DEGREES AWARDED TO WOMEN BY DISCIPLINE: 23.3%

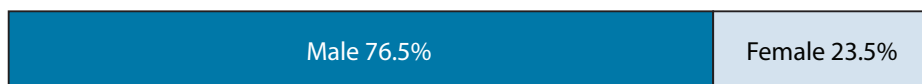


DOCTORAL DEGREES AWARDED TO FOREIGN NATIONALS

1. Georgia Institute of Technology	199
2. Purdue University	188
3. Texas A&M University	180
4. Univ. of Illinois, Urbana-Champaign	164
5. Massachusetts Institute of Technology	162
6. Virginia Tech	143
7. University of Michigan	133
8. Stanford University	130
9. Arizona State University	119
10. The University of Texas at Austin	115
11. The Ohio State University	110
12. The Pennsylvania State University	104
13. North Carolina State University	102
13. University of Southern California	102
15. Columbia University	92
16. University of California, San Diego	90
17. University of Florida	88
18. University of Wisconsin-Madison	87
19. Cornell University	85
20. University of California, Berkeley	83
21. University of California, Los Angeles	82
22. University of Minnesota -Twin Cities	81
23. Clemson University	78
24. Iowa State University	74
24. University of Maryland, College Park	74
26. Northwestern University	72
27. Carnegie Mellon University	71
27. The University of Texas at Dallas	71
29. Northeastern University	66
30. Stony Brook University	62
31. The Johns Hopkins University	61
32. University at Buffalo, SUNY	60
32. William Marsh Rice University	60
34. The University of Texas at Arlington	59
34. University of Connecticut	59
36. University of Tennessee, Knoxville	56
37. Missouri Univ. of Science and Tech.	54
37. University of Central Florida	54
39. University of California, Riverside	53
40. University of California, Davis	52
41. University of Washington	51
41. Washington State University	51
41. University of Houston	51
44. Auburn University	48
45. University of Delaware	47
46. Michigan State University	46
47. Princeton University	45
48. Oregon State University	44
48. Florida International University	44
50. University of California, Irvine	43

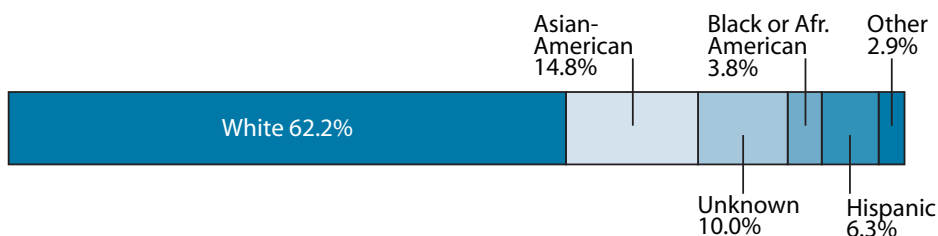
193 schools reported.

DOCTORAL DEGREES BY GENDER, 2017



	2008	2009	2010	2011	2012	2013	2014	2015	2016
Female	20.8%	21.2%	21.2%	22.9%	21.8%	22.2%	22.4%	22.2%	23.3%
Male	79.2%	78.8%	78.8%	77.1%	78.2%	77.8%	77.6%	77.8%	76.7%

DOCTORAL DEGREES BY ETHNICITY, 2017*



	2008	2009	2010	2011	2012	2013	2014	2015	2016
Black or Afr. American	3.2%	3.8%	4.4%	3.5%	4.1%	4.1%	3.6%	3.2%	4.4%
Hispanic	3.6%	3.8%	5.2%	4.2%	4.1%	4.7%	5.1%	6.1%	5.7%
Other	19.5%	17.6%	1.0%	1.6%	1.7%	1.7%	1.6%	2.2%	3.1%
Asian American	12.4%	13.2%	14.0%	15.1%	14.1%	13.5%	10.4%	14.1%	14.9%
White	61.3%	61.6%	65.7%	60.3%	61.1%	61.8%	65.1%	62.9%	62.0%
Unknown			9.7%	15.3%	14.9%	14.2%	14.2%	11.5%	9.9%

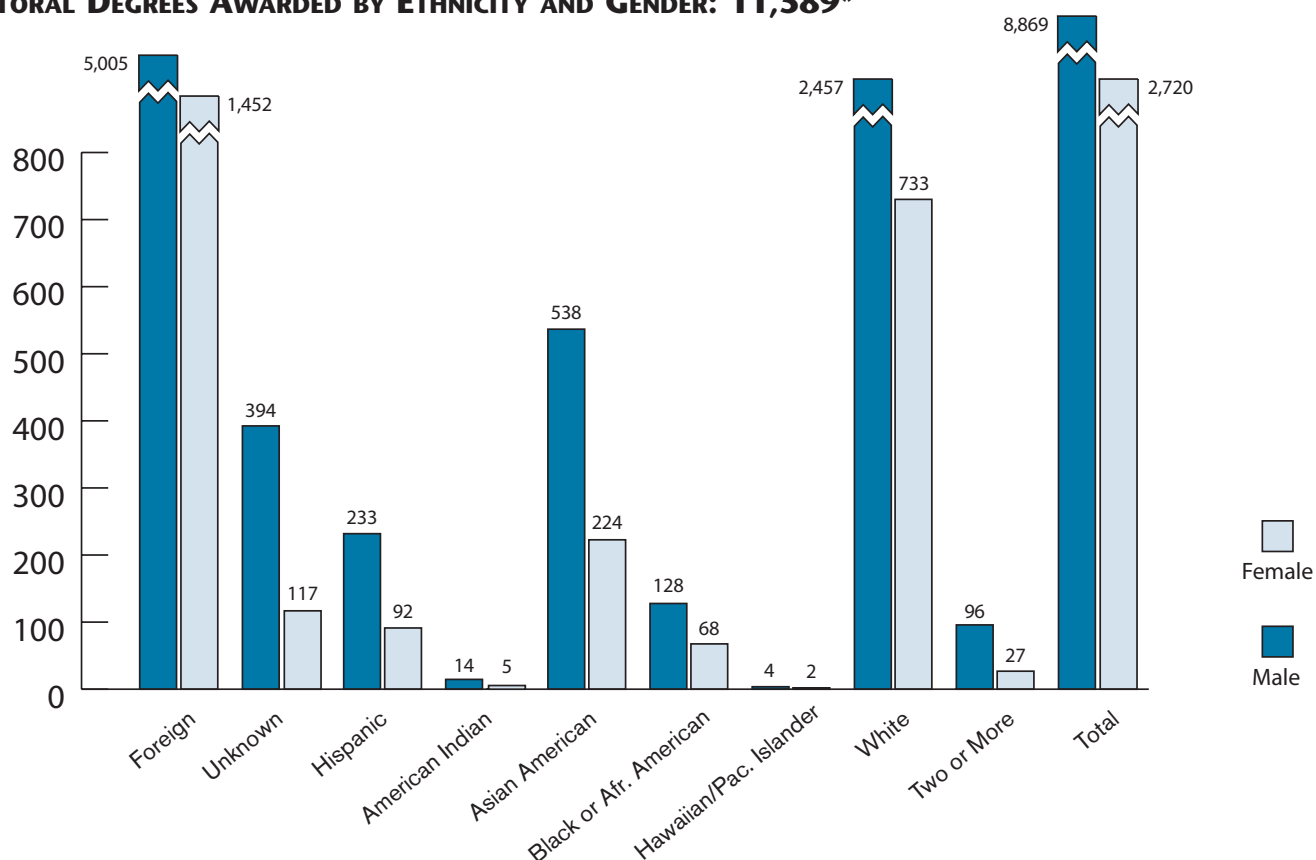
*Data on ethnicity does not include foreign nationals. American Indians (0.4%), Hawaiian/Pacific Islanders (0.1%), and Two or More (2.4%) are combined under Other.

DOCTORAL DEGREES BY RESIDENCY, 2017



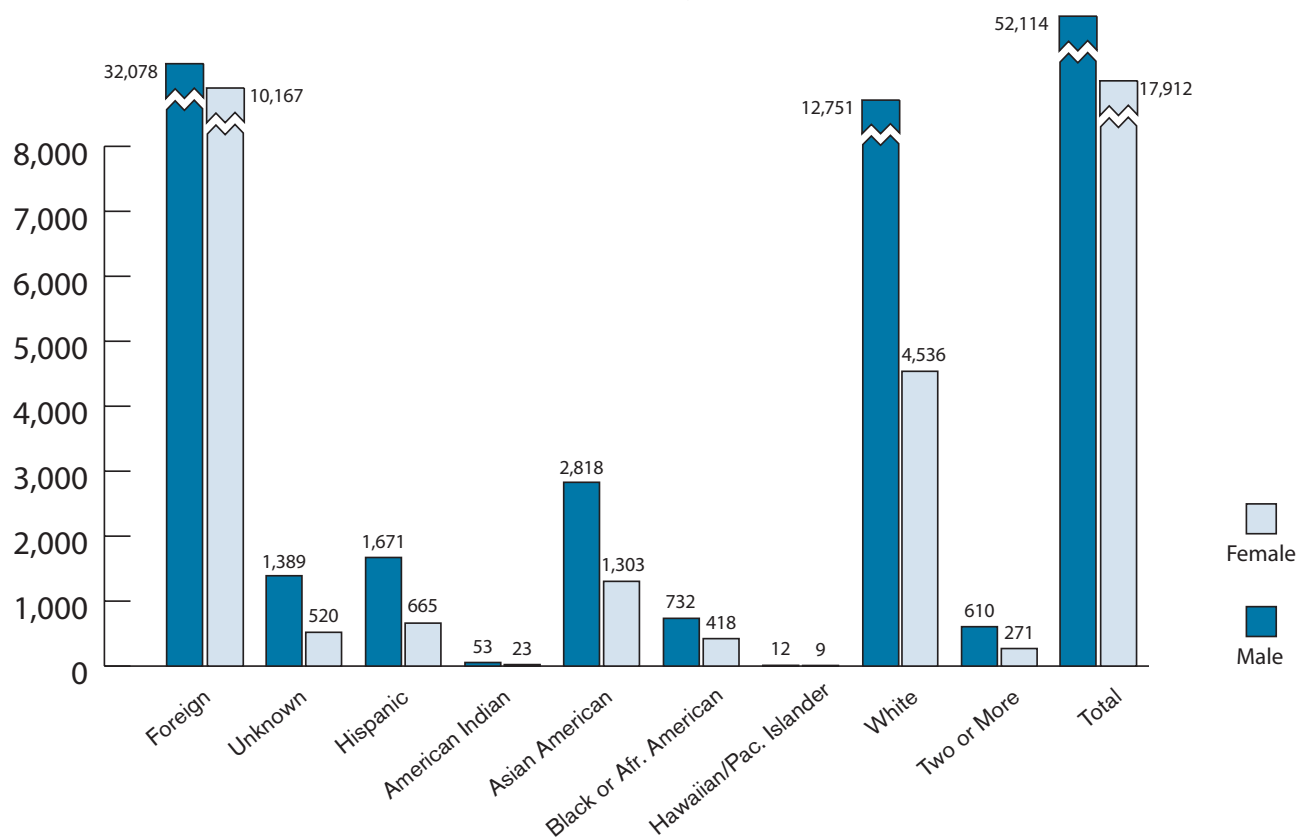
	2008	2009	2010	2011	2012	2013	2014	2015	2016
Foreign	55.1%	55.1%	54.2%	54.2%	53.3%	55.1%	54.8%	54.7%	54.8%
Domestic	44.9%	44.9%	45.8%	45.8%	46.7%	44.9%	45.2%	45.3%	45.2%

DOCTORAL DEGREES AWARDED BY ETHNICITY AND GENDER: 11,589*



*Includes 5 Hispanic male and 4 Hispanic female graduates from schools in Puerto Rico.

DOCTORAL ENROLLMENT BY ETHNICITY AND GENDER: 70,026*



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

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

1. Georgia Institute of Technology	3,060
2. Univ. of Illinois, Urbana-Champaign	2,145
3. University of California, San Diego	1,921
4. The Pennsylvania State University	1,825
5. Virginia Tech	1,784
6. Texas A&M University	1,773
7. Arizona State University	1,741
8. The Ohio State University	1,689
9. Purdue University	1,684
10. University of Michigan	1,586
11. North Carolina State University	1,484
12. University of California, Berkeley	1,420
13. Iowa State University	1,404
14. University of Central Florida	1,357
15. Oregon State University	1,336
16. California Poly. State U., SLO	1,286
17. University of Florida	1,239
18. The University of Texas at Austin	1,170
19. University of Minnesota -Twin Cities	1,091
20. University of Washington	1,070
21. Missouri Univ. of Science and Tech.	1,047
22. Colorado School of Mines	1,034
23. University of Maryland, College Park	1,021
24. Stony Brook University	1,012
25. University of Wisconsin-Madison	990
26. Clemson University	984
27. Michigan State University	974
28. Louisiana State University	961
29. University at Buffalo, SUNY	929
30. Drexel University	914
31. Rutgers University	899
32. California State University, Long Beach	893
32. University of Colorado Boulder	893
34. Florida International University	882
35. Rensselaer Polytechnic Institute	863
36. Cornell University	860
37. California State Poly. U., Pomona	853
38. Massachusetts Institute of Technology	825
39. University of California, Irvine	807
40. University of California, Davis	802
41. University of California, Los Angeles	785
42. Washington State University	776
43. The University of Alabama	768
44. Texas Tech University	763
45. Auburn University	750
46. West Virginia University	748
47. George Mason University	743
48. University of South Florida	736
49. University of Connecticut	735
50. Worcester Polytechnic Institute	700

305 schools reported.

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

1. University of Southern California	1,311
2. San Jose State University	1,129
3. Georgia Institute of Technology	1,126
4. University of Michigan	1,106
5. Columbia University	1,079
6. Northeastern University	1,014
7. The University of Texas at Arlington	999
8. Carnegie Mellon University	967
9. Stanford University	876
10. Arizona State University	860
11. NYU Tandon School of Engineering	838
12. Cornell University	797
13. University of Florida	795
14. The Johns Hopkins University	768
15. Massachusetts Institute of Technology	760
16. Univ. of Illinois, Urbana-Champaign	734
17. North Carolina State University	729
18. University of Washington	717
19. Purdue University	679
20. Texas A&M University	655
21. Stevens Institute of Technology	650
22. University of California, Berkeley	626
23. University of California, Los Angeles	606
24. New Jersey Institute of Technology	587
25. Texas A&M University - Kingsville	558
26. Wayne State University	549
27. Missouri Univ. of Science and Tech.	526
28. University of Colorado Boulder	518
29. Northwestern University	512
30. University of Maryland, College Park	510
31. University of California, San Diego	485
32. Illinois Institute of Technology	475
33. George Mason University	474
34. The University of Texas at Austin	464
35. Virginia Tech	459
36. University of Illinois at Chicago	443
37. University of South Florida	431
38. California State University, Fullerton	426
39. The Ohio State University	419
40. Worcester Polytechnic Institute	405
41. University of Houston	403
42. Drexel University	398
43. The University of Texas at Dallas	395
44. University of Michigan-Dearborn	386
45. University at Buffalo, SUNY	381
46. Washington University in St. Louis	379
47. The Pennsylvania State University	378
48. Michigan Technological University	377
49. Stony Brook University	372
50. Southern Methodist University	368

242 schools reported.

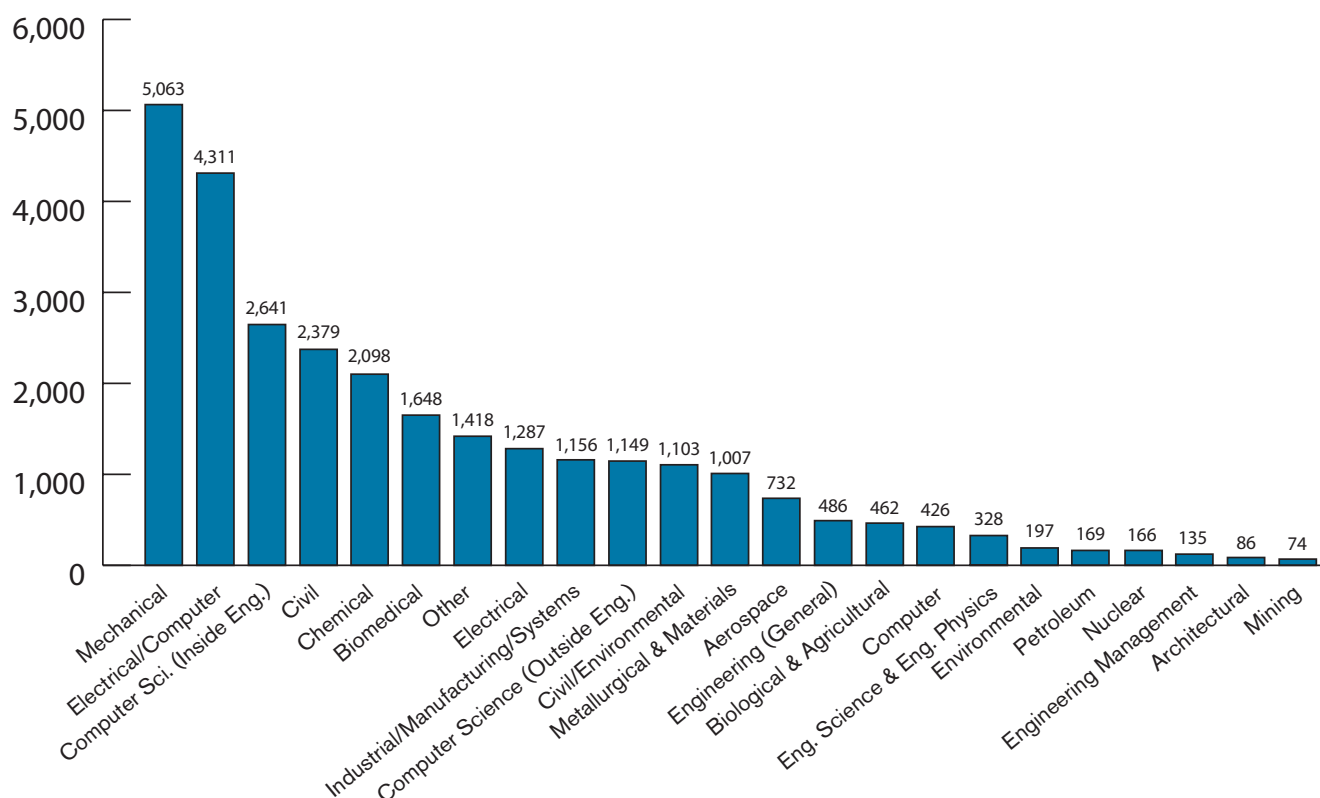
ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL (EXCLUDING COMPUTER SCIENCE)

1. Georgia Institute of Technology	370
2. Massachusetts Institute of Technology	332
3. Purdue University	289
4. University of Michigan	265
5. Univ. of Illinois, Urbana-Champaign	252
6. Texas A&M University	242
7. Stanford University	240
8. University of California, Berkeley	215
9. The University of Texas at Austin	206
10. University of Florida	178
11. The Pennsylvania State University	175
12. Virginia Tech	174
13. North Carolina State University	160
14. University of Wisconsin-Madison	159
15. University of California, San Diego	145
16. The Ohio State University	144
17. Cornell University	140
18. University of California, Los Angeles	135
19. Arizona State University	133
19. Northwestern University	133
21. University of Washington	131
21. Carnegie Mellon University	131
23. Columbia University	122
24. University of Maryland, College Park	120
25. University of Minnesota -Twin Cities	119
26. University of Southern California	117
27. The Johns Hopkins University	114
28. Clemson University	105
29. Iowa State University	104
30. University of Colorado Boulder	102
31. University of Tennessee, Knoxville	100
32. Colorado School of Mines	97
33. Northeastern University	96
34. University of California, Davis	91
35. William Marsh Rice University	89
36. University of California, Irvine	87
37. Stony Brook University	80
38. Duke University	79
39. California Institute of Technology	76
40. Boston University	74
40. University of Delaware	74
42. Washington State University	72
43. University of Connecticut	71
43. University of Central Florida	71
45. University of Arizona	70
45. The George Washington University	70
45. University of Houston	70
45. Princeton University	70
45. University of California, Santa Barbara	70
50. University of California, Riverside	68

191 schools reported.

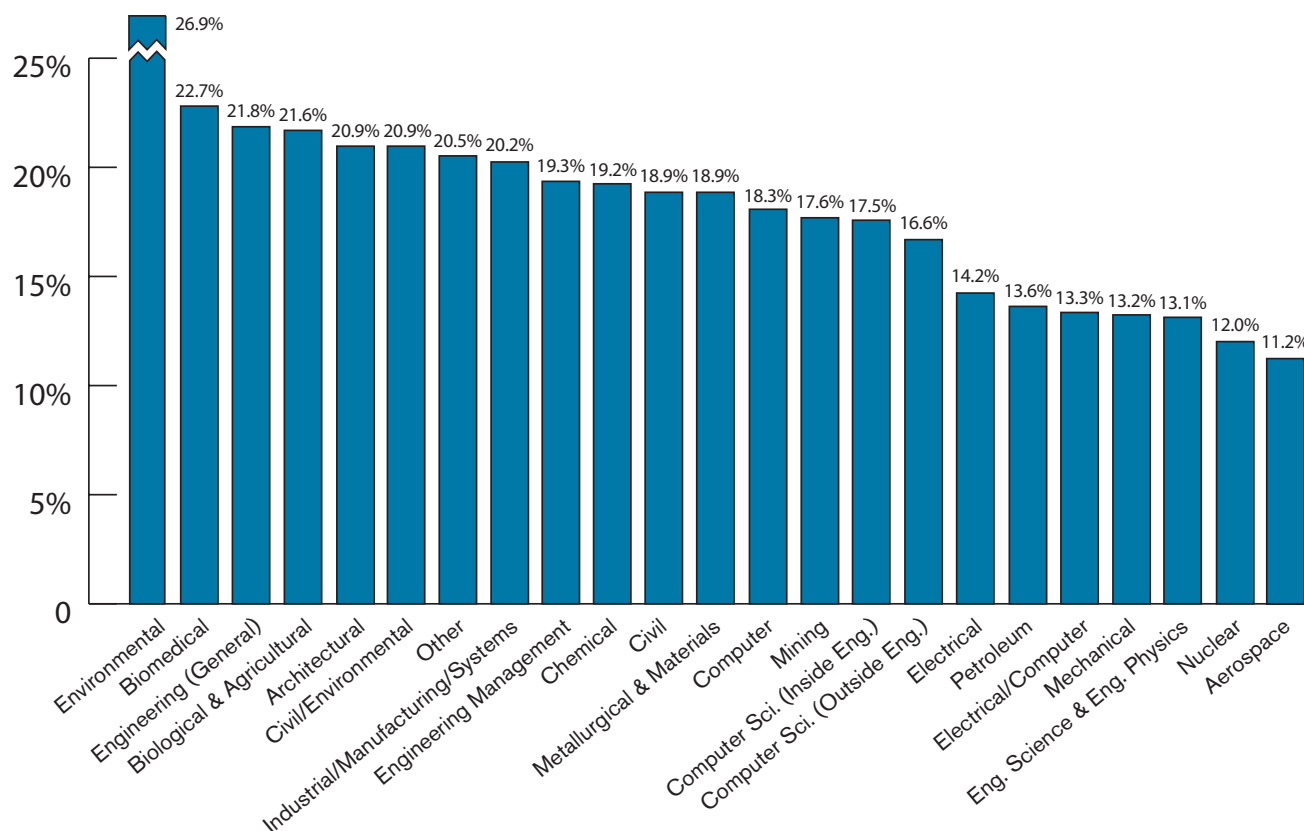
Note: All enrollment and degree data in this book includes computer science programs administered by the engineering colleges. This page displays the largest degree programs at each level without the computer science programs.

NUMBER OF TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 27,372*



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

PERCENTAGE OF WOMEN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 16.9%

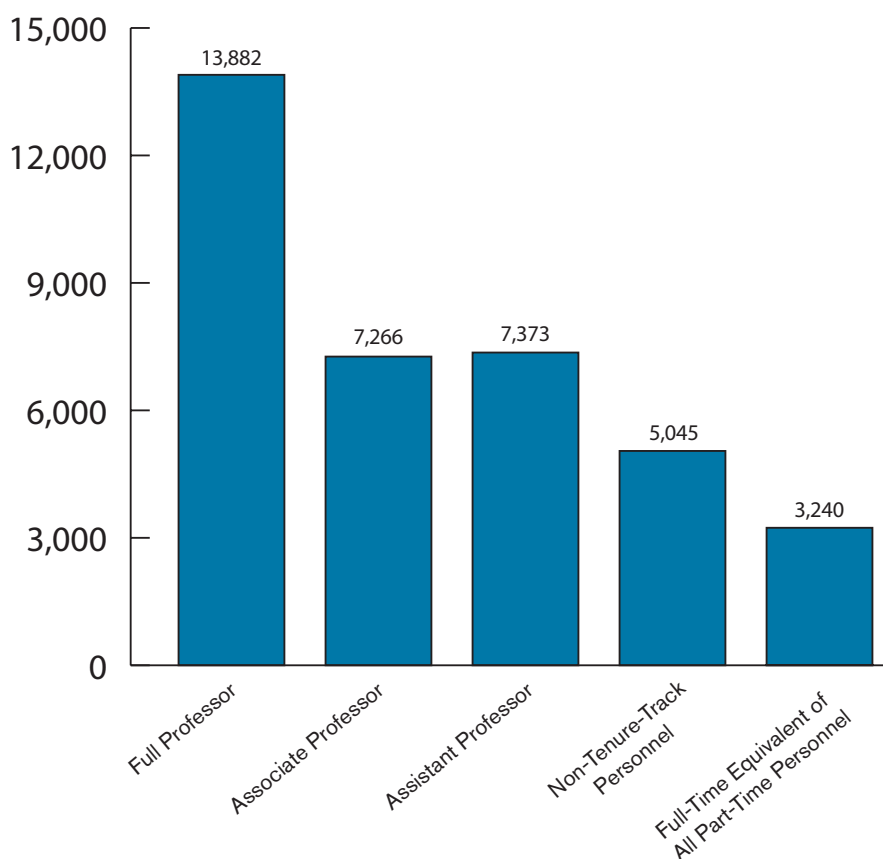


TENURED/TENURE-TRACK FACULTY MEMBERS BY SCHOOL

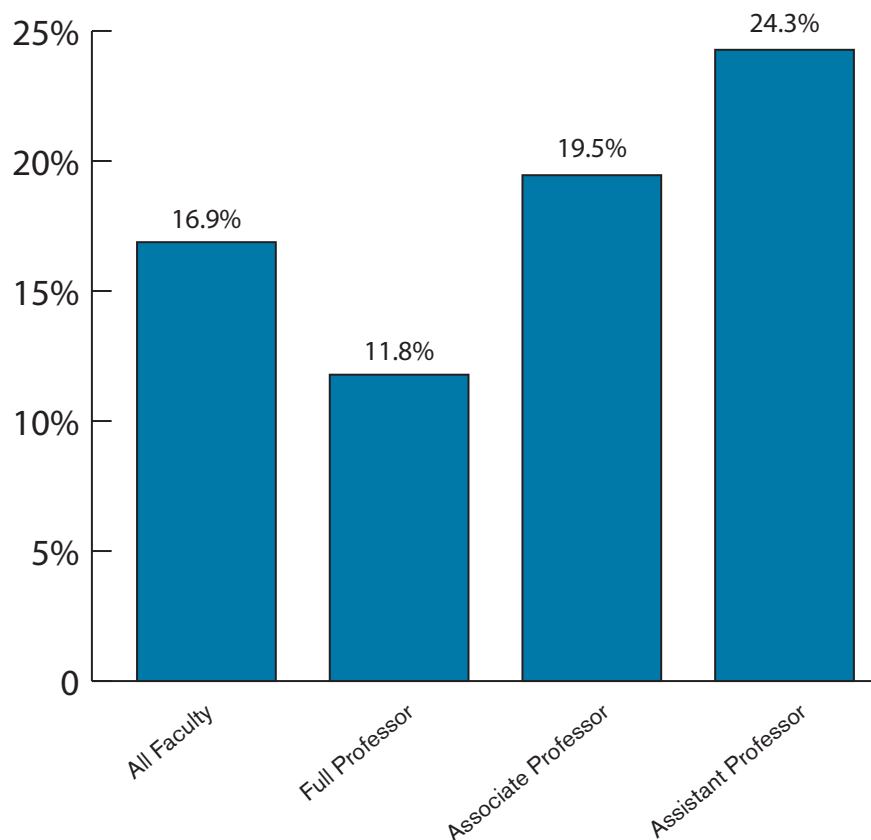
1. Georgia Institute of Technology	494
2. Univ. of Illinois, Urbana-Champaign	446
3. University of Michigan	417
4. Texas A&M University	407
5. Massachusetts Institute of Technology	378
6. Virginia Tech	366
7. Purdue University	361
8. The Pennsylvania State University	358
9. North Carolina State University	357
10. Arizona State University	316
11. University of Florida	281
12. The Ohio State University	280
13. The University of Texas at Austin	276
14. Cornell University	266
15. University of Washington	264
16. Stanford University	260
17. University of California, Berkeley	253
18. Iowa State University	250
19. University of Minnesota -Twin Cities	232
20. University of California, San Diego	229
21. Clemson University	225
21. Michigan State University	225
23. University of California, Davis	214
24. University of Maryland, College Park	212
24. University of Wisconsin-Madison	212
26. University of Utah	208
27. University of Nebraska, Lincoln	205
28. The Johns Hopkins University	198
28. Northwestern University	198
30. Colorado School of Mines	195
31. University of Southern California	189
32. University at Buffalo, SUNY	187
33. University of Colorado Boulder	182
34. Missouri Univ. of Science and Tech.	178
34. Oregon State University	178
36. University of Tennessee, Knoxville	175
37. University of Arizona	173
37. Auburn University	173
37. University of California, Los Angeles	173
40. Columbia University	171
41. Stony Brook University	170
42. University of Puerto Rico, Mayaguez	169
43. The University of Texas at Dallas	166
44. University of Central Florida	159
45. Washington State University	158
46. University of Kentucky	156
47. University of Connecticut	154
47. Northeastern University	154
49. University of Virginia	153
50. Rutgers University	147

315 schools reported.

NUMBER OF TEACHING PERSONNEL BY RANK: 36,806



PERCENTAGE OF WOMEN TENURED/TENURE-TRACK FACULTY BY LEVEL



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

1. Olin College of Engineering	37.5%
2. Seattle University	35.7%
3. University of Saint Thomas	33.3%
4. Santa Clara University	31.8%
5. California State University Long Beach	30.8%
6. Mercer University	29.4%
7. Howard University	28.3%
8. University of the District of Columbia	28.0%
9. Lafayette College	27.8%
10. Villanova University	27.6%
11. Univ. of Maryland, Baltimore County	27.3%
11. Bucknell University	27.3%
13. San Jose State University	26.9%
13. Minnesota State University Mankato	26.9%
15. Gannon University	26.7%
15. Univ. of North Carolina at Chapel Hill	26.7%
17. University of North Texas	26.5%
18. University of Puerto Rico Mayaguez	26.0%
18. Montana State University	26.0%
20. Saint Louis University	25.8%
21. California Baptist University	25.7%
21. University of the Pacific	25.7%
23. New York Institute of Technology	25.5%
24. Boise State University	25.4%
25. Drexel University	25.2%

26. University of Wisconsin Platteville	25.0%
27. California State Poly. U., Pomona	24.7%
27. Stevens Institute of Technology	24.7%
29. University of Minnesota Duluth	24.5%
30. California State University Los Angeles	24.4%
30. Wentworth Institute of Technology	24.4%
32. University of Washington	24.2%
32. California State University Sacramento	24.2%
34. Tufts University	24.1%
35. Hofstra University	24.0%
36. University of Massachusetts Lowell	23.9%
37. Kettering University	23.5%
38. Grand Valley State University	23.5%
38. The George Washington University	23.5%
40. University of Hartford	23.1%
41. University of California Davis	22.9%
41. Rochester Institute of Technology	22.9%
43. California State University Northridge	22.7%
44. University of Colorado Boulder	22.5%
45. The University of Mississippi	22.2%
45. Tulane University	22.2%
47. Northeastern University	22.1%
47. Colorado School of Mines	22.1%
49. Polytechnic University of Puerto Rico	22.0%
49. Rowan University	22.0%

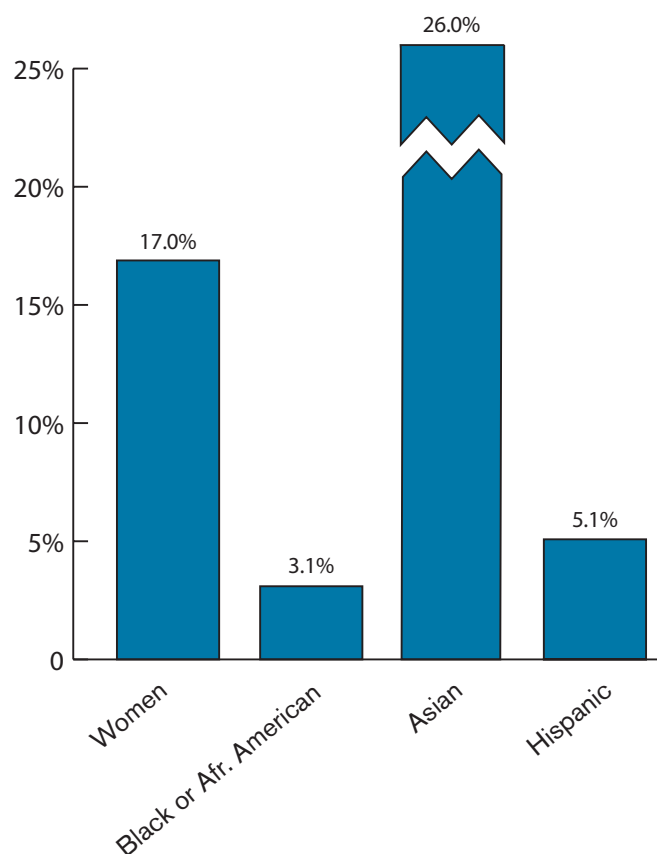
*Minimum of 25 faculty members.
248 schools fit this criterion.

WOMEN TENURED/TENURE-TRACK FACULTY BY SCHOOL

1. Georgia Institute of Technology	83
2. University of Michigan	82
3. Univ. of Illinois, Urbana-Champaign	75
4. Purdue University	73
5. Massachusetts Institute of Technology	71
6. Arizona State University	69
7. University of Washington	64
7. Virginia Tech	64
9. Texas A&M University	59
9. The Pennsylvania State University	59
11. North Carolina State University	56
12. The Ohio State University	55
13. University of Florida	54
14. The University of Texas at Austin	49
14. University of California Davis	49
16. Clemson University	45
16. Cornell University	45
16. Stanford University	45
19. Iowa State University	44
19. University of California Berkeley	44

315 schools reported

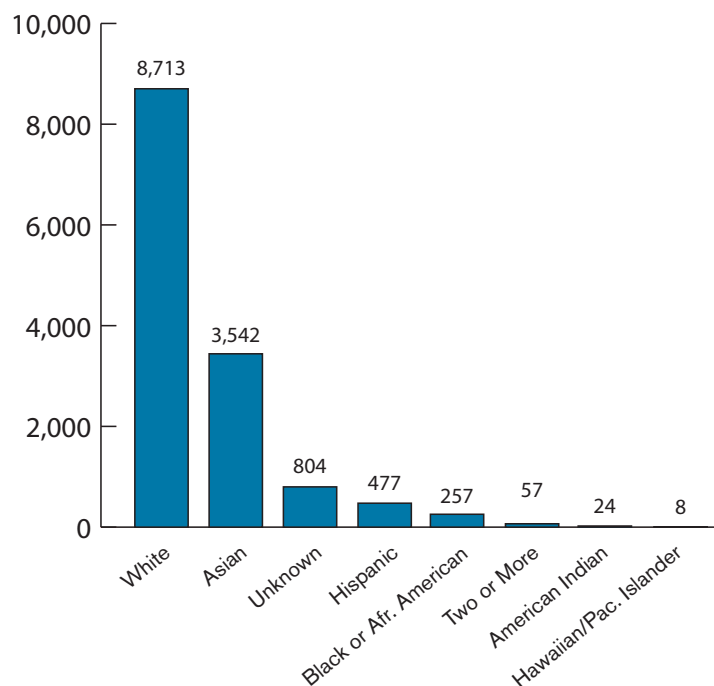
PERCENTAGE OF WOMEN AND MINORITY FACULTY, 2008–2017*



	Women	African-American	Asian	Hispanic
2008	12.3%	2.5%	22.7%	3.5%
2009	12.7%	2.5%	23.3%	3.5%
2010	13.2%	2.5%	23.9%	3.6%
2011	13.8%	2.5%	24.1%	3.7%
2012	14.0%	2.7%	24.6%	3.9%
2013	14.5%	2.6%	25.2%	3.6%
2014	15.2%	2.5%	25.6%	3.9%
2015	15.7%	2.5%	26.9%	3.9%
2016	16.3%	2.3%	27.6%	3.7%
2017	17.0%	3.1%	26.0%	5.1%

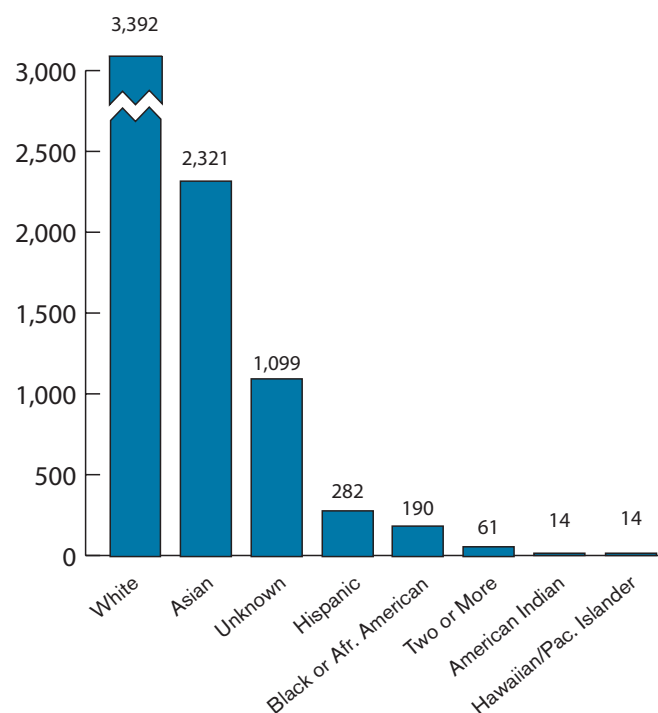
*Note: Includes faculty data from schools in Puerto Rico.

NUMBER OF FULL PROFESSORS BY RACE/ETHNICITY (TEACHING): 13,882*



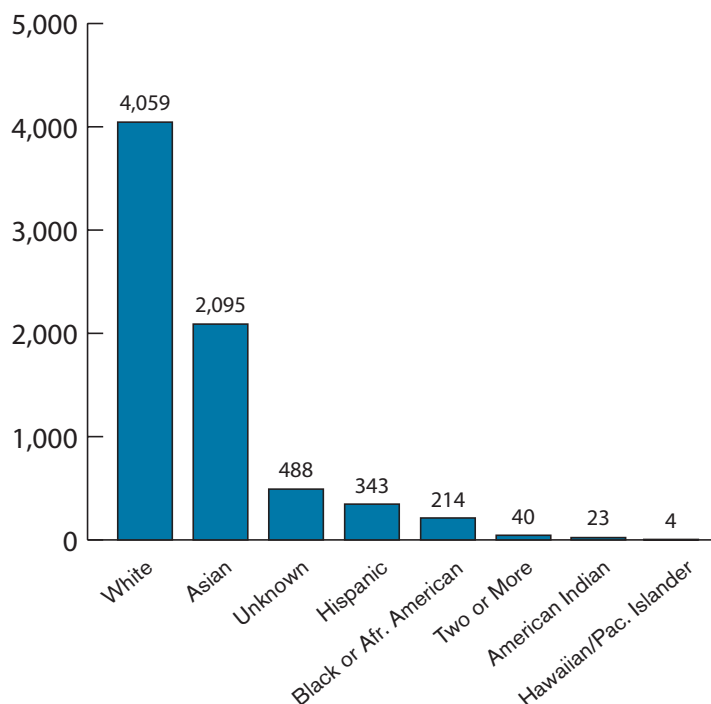
*Includes 131 Hispanic faculty from schools in Puerto Rico. Computer Science (outside engineering) has been removed.

NUMBER OF ASSISTANT PROFESSORS BY RACE/ETHNICITY (TEACHING): 7,373*



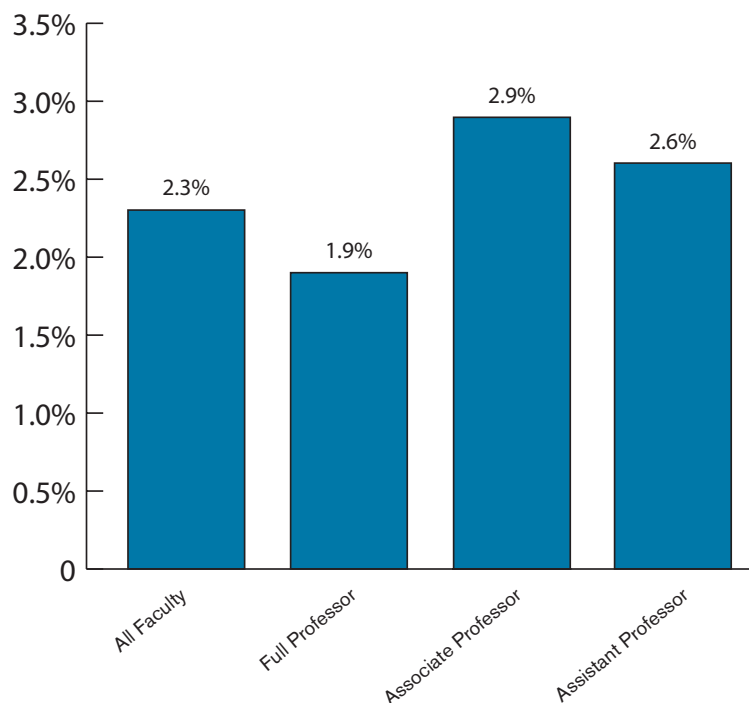
*Includes 23 Hispanic faculty from schools in Puerto Rico. Computer Science (outside engineering) has been removed.

NUMBER OF ASSOCIATE PROFESSORS BY RACE/ETHNICITY (TEACHING): 7,266*

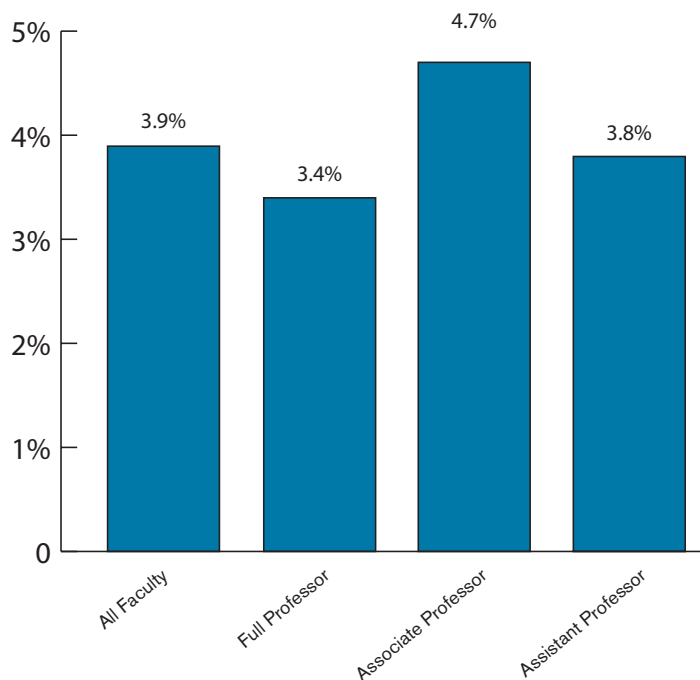


*Includes 74 Hispanic faculty from schools in Puerto Rico. Computer Science (outside engineering) has been removed.

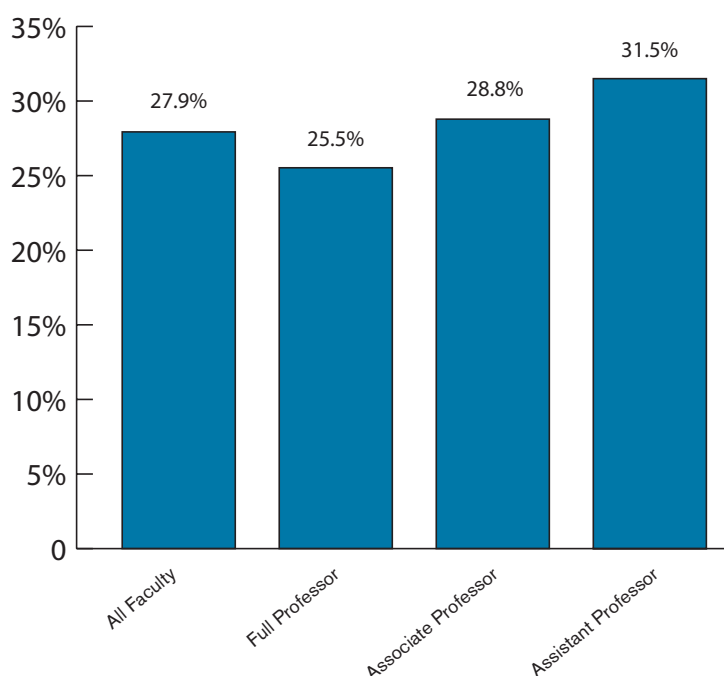
PERCENTAGE OF AFRICAN AMERICAN TENURED/TENURE-TRACK FACULTY BY LEVEL*



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



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



*Includes faculty from schools in Puerto Rico. Computer Science (outside engineering) has been removed.

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

1. Howard University	27
2. North Carolina A&T State University	17
3. FAMU-FSU College of Engineering	16
3. Georgia Institute of Technology	16
5. Morgan State University	15
5. University of Michigan	15
7. University of Florida	14
8. Univ. of Illinois, Urbana-Champaign	12
9. Massachusetts Institute of Technology	11
9. University of Tennessee Chattanooga	11
11. Cornell University	10
11. The Johns Hopkins University	10
13. Virginia Tech	9
14. Purdue University	8
14. Tuskegee University	8
14. University of Maryland College Park	8
17. Clemson University	7
17. Iowa State University	7
17. North Carolina State University	7
17. Northwestern University	7

315 schools reported.

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

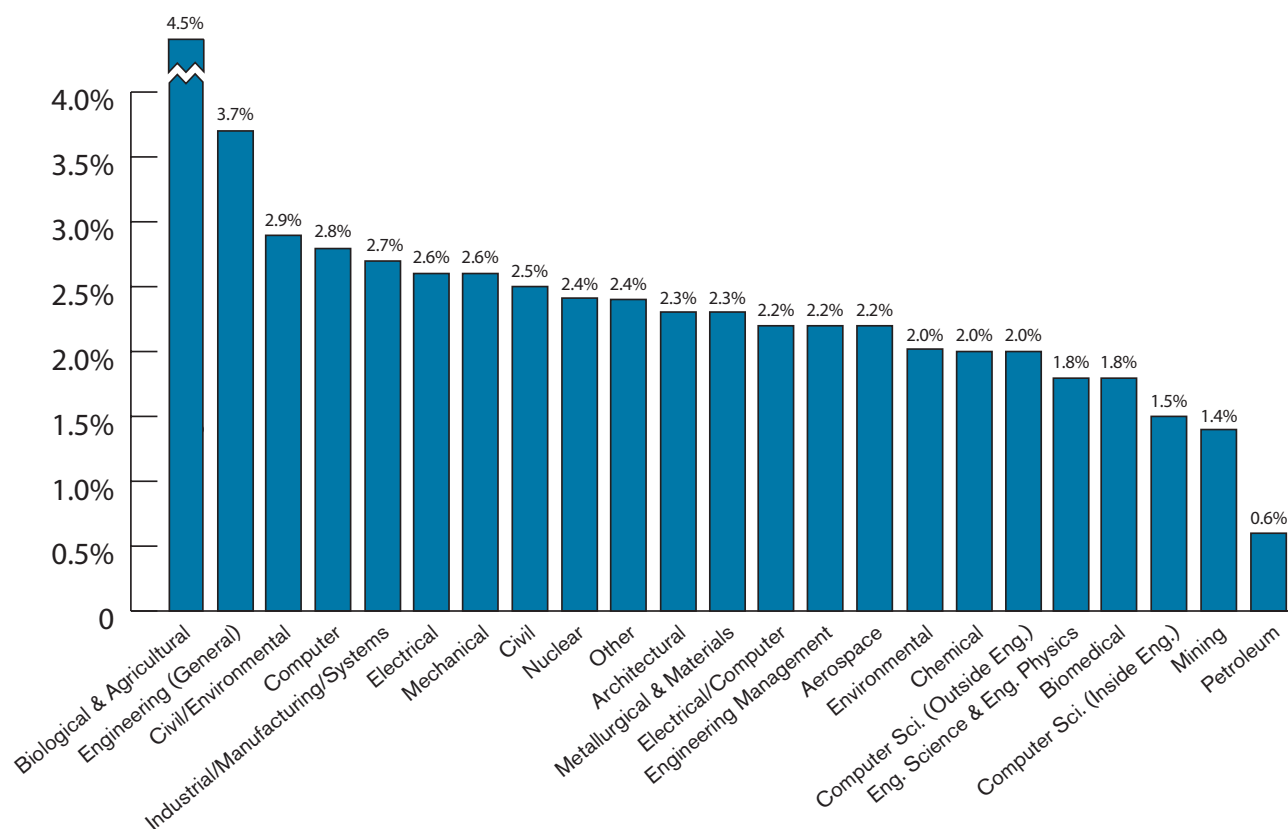
1. Georgia Institute of Technology	140
1. Texas A&M University	140
3. Purdue University	122
4. Univ. of Illinois, Urbana-Champaign	121
5. Arizona State University	109
6. University of Michigan	105
7. The Ohio State University	104
8. Iowa State University	96
9. Michigan State University	92
10. North Carolina State University	90
10. University at Buffalo SUNY	90
10. Virginia Tech	90
13. University of Florida	85
14. The University of Texas at Arlington	79
14. University of California San Diego	79
16. University of California Los Angeles	77
17. University of Nebraska Lincoln	75
18. The Pennsylvania State University	74
19. Missouri Univ. of Science and Tech.	69
19. The University of Texas at Dallas	69

315 schools reported.

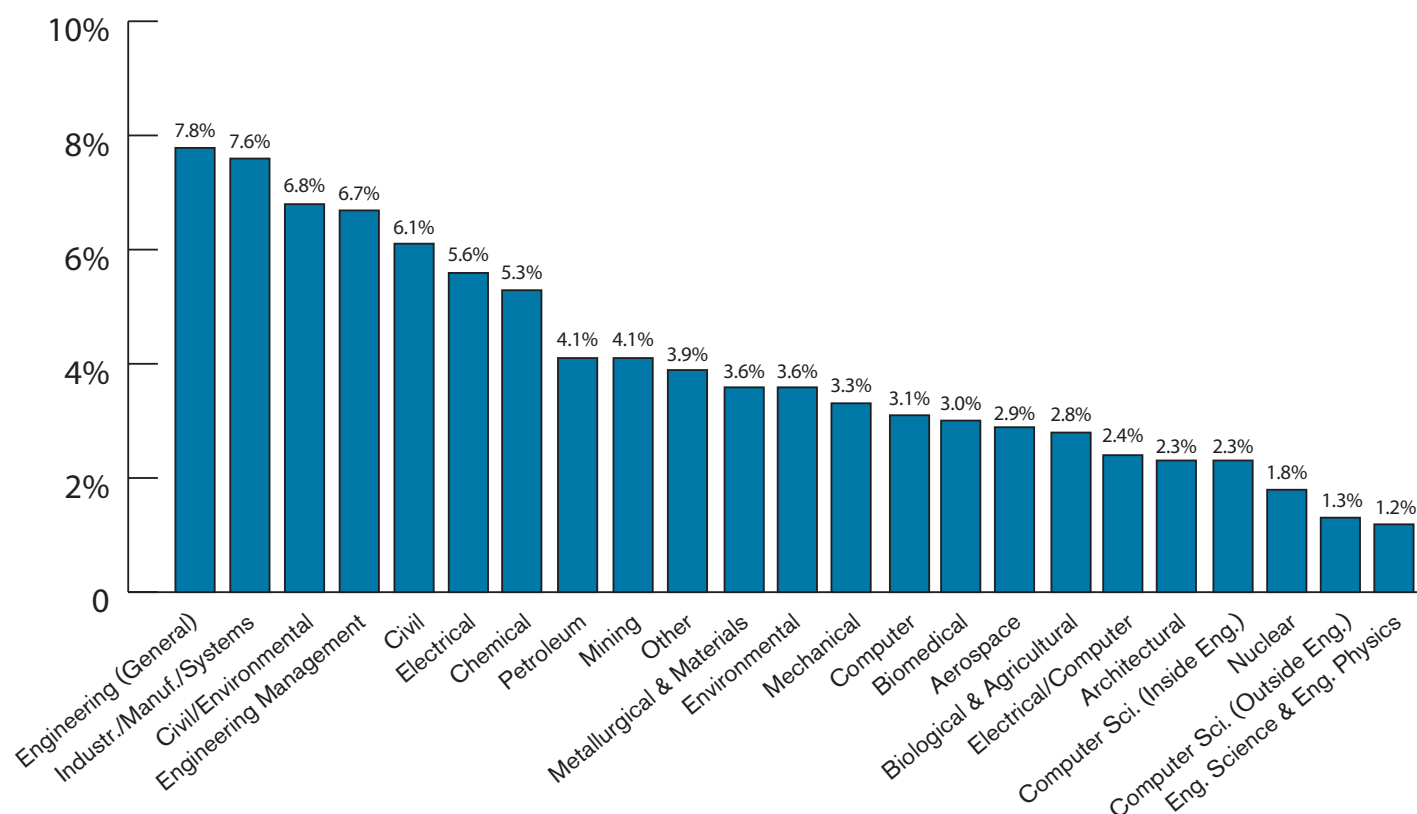
**HISPANIC TENURED/TENURE-
TRACK FACULTY BY SCHOOL**

1. University of Puerto Rico Mayaguez	147
2. Polytechnic University of Puerto Rico	55
3. Texas A&M University	32
4. The University of Texas at El Paso	23
5. Purdue University	19
6. University of California San Diego	18
7. Georgia Institute of Technology	17
7. University of Florida	17
9. Massachusetts Institute of Technology	16
9. Univ. of Illinois, Urbana-Champaign	16
11. University of California Berkeley	15
12. Arizona State University	14
12. Stanford University	14
14. Rochester Institute of Technology	13
15. New Mexico State University	12
15. The Ohio State University	12
15. The University of Texas at Austin	12
15. Virginia Tech	12
19. University of South Florida	11
20. California State Poly. U., Pomona	10

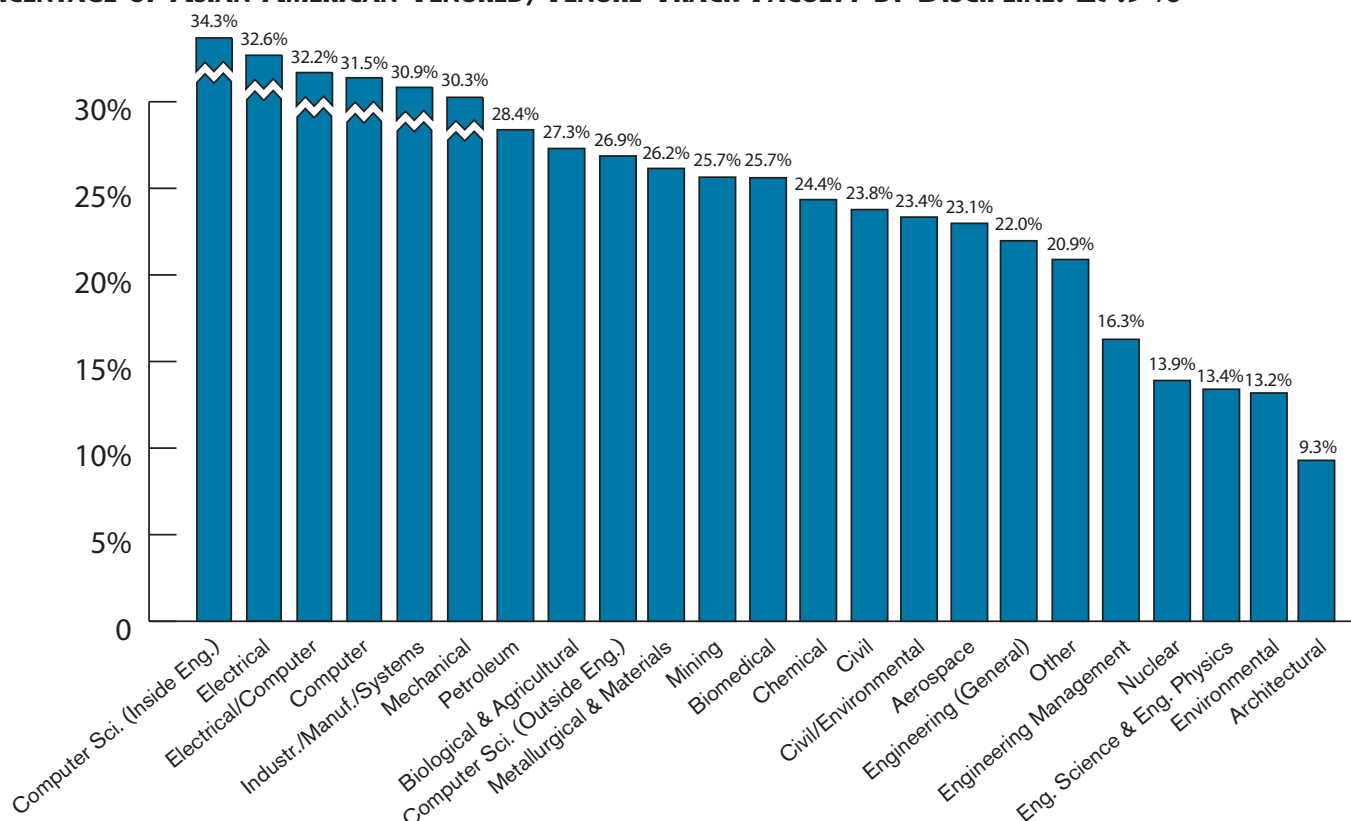
315 schools reported.

PERCENTAGE OF AFRICAN AMERICAN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 2.3%

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



PERCENTAGE OF ASIAN-AMERICAN TENURED/TENURE-TRACK FACULTY BY DISCIPLINE: 27.9%



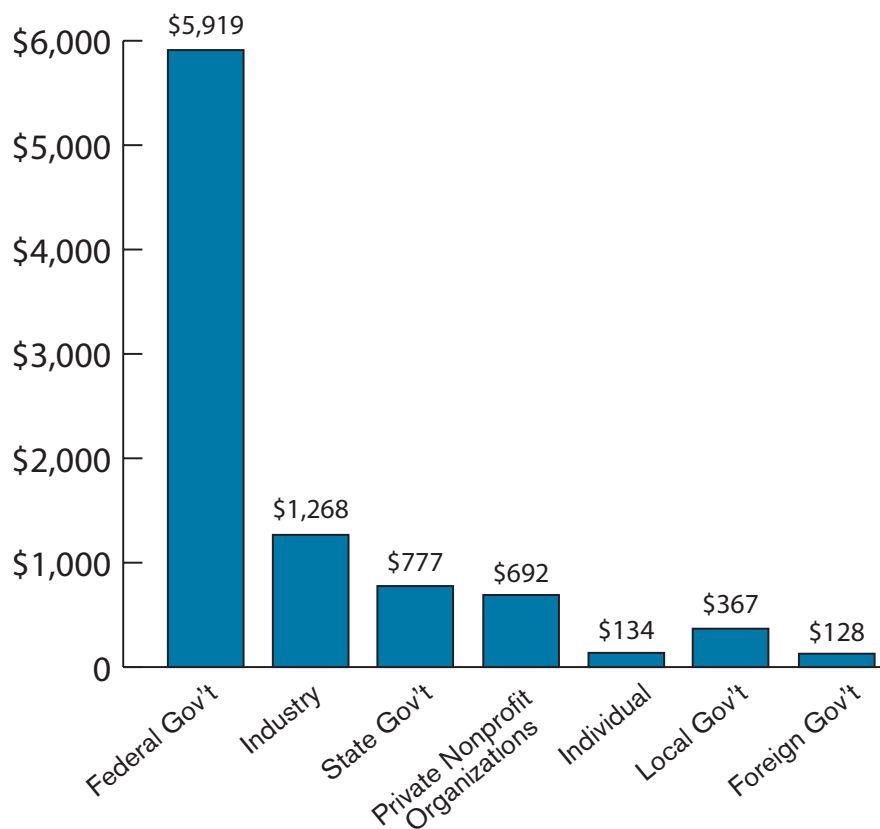
RESEARCH EXPENDITURES BY SCHOOL

(IN MILLIONS)

1. Massachusetts Institute of Technology	\$447.8
2. Texas A&M University	\$278.1
3. University of Michigan	\$277.1
4. Purdue University	\$244.8
5. Univ. of Illinois at Urbana-Champaign	\$239.0
6. University of California, Berkeley	\$219.0
7. Stanford University	\$208.4
8. North Carolina State University	\$206.4
9. University of Southern California	\$204.7
10. Georgia Institute of Technology	\$187.8
11. University of California, San Diego	\$178.8
12. The University of Texas at Austin	\$177.7
13. University of Washington	\$153.4
14. University of Maryland, College Park	\$153.3
15. The Ohio State University	\$152.8
16. The Johns Hopkins University	\$145.5
17. University of Minnesota -Twin Cities	\$129.6
18. University of Dayton	\$125.3
19. University of Wisconsin-Madison	\$125.1
20. Cornell University	\$123.2
21. Virginia Tech	\$121.7
22. Northwestern University	\$115.4
23. California Institute of Technology	\$114.4
24. University of Pennsylvania	\$110.8
25. Arizona State University	\$109.1
26. Univ. of California, Santa Barbara	\$105.8
27. Duke University	\$104.1
28. The Pennsylvania State University	\$103.6
29. Carnegie Mellon University	\$103.1
30. University of Colorado Boulder	\$102.2
31. Iowa State University	\$99.3
32. University of Rochester	\$96.8
33. University of California, Los Angeles	\$92.3
34. University of California, Davis	\$86.0
35. University of Utah	\$82.0
36. University of Pittsburgh	\$79.3
37. University of Virginia	\$75.4
38. University of California, Irvine	\$75.1
39. William Marsh Rice University	\$74.6
40. Colorado State University	\$74.0
41. University at Buffalo, SUNY	\$74.0
42. Princeton University	\$74.0
43. University of Florida	\$72.8
44. University of Tennessee, Knoxville	\$72.2
45. University of California, Riverside	\$68.3
46. Vanderbilt University	\$66.9
47. Northeastern University	\$62.7
48. Auburn University	\$62.6
49. Wichita State University	\$57.5
50. Michigan State University	\$56.4

201 schools reported.

RESEARCH EXPENDITURES BY SOURCE IN MILLIONS OF DOLLARS: \$8,917



COMPUTER SCIENCE RESEARCH EXPENDITURES LOCATED OUTSIDE OF ENGINEERING BY SCHOOL

(IN MILLIONS)

1. Carnegie Mellon University	\$106.3
2. Georgia Institute of Technology	\$27.3
3. The University of Texas at Austin	\$24.8
4. University of Maryland, College Park	\$22.4
5. University of Wisconsin-Madison	\$19.0
6. The Univ. of Alabama in Huntsville	\$18.6
7. University of California, Irvine	\$17.3
8. Purdue University	\$16.7
9. University of Massachusetts Amherst	\$16.3
10. Northeastern University	\$15.7
11. Rensselaer Polytechnic Institute	\$7.4
12. Brown University	\$6.1
12. The University of Texas at San Antonio	\$6.1
14. University of Houston	\$5.5
15. Duke University	\$5.2
16. FAMU-FSU College of Engineering	\$4.9
17. The University of Memphis	\$4.8
18. Dartmouth College	\$4.6
19. New Jersey Institute of Technology	\$4.1
20. University of Arizona	\$3.7

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

1. Oregon Institute of Technology	17.0
2. California State University, Long Beach	11.4
3. DigiPen Institute of Technology	10.9
4. Colorado State University, Pueblo	10.0
5. California Poly. State U., SLO	9.3
5. San Diego State University	9.3
7. California State Poly. U., Pomona	9.2
8. Florida International University	8.8
9. University of Central Florida	8.5
10. University of California, San Diego	8.4
11. Drexel University	8.2
12. Montana State University	8.1
13. California State University, Fullerton	7.9
14. Worcester Polytechnic Institute	7.7
15. Oregon State University	7.5
15. California State University, Northridge	7.5
15. University of Wisconsin, Platteville	7.5
18. Miami University	7.4
19. San Jose State University	7.3
20. Louisiana State University	7.2

*Minimum of 50 degrees awarded. 270 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	1.7
1. Polytechnic University of Puerto Rico	1.7
3. University of Colorado Colorado Springs	1.8
3. Tulane University	1.8
5. Eastern Michigan University	1.9
6. Olin College of Engineering	2.1
6. Gannon University	2.1
6. The Johns Hopkins University	2.1
9. Yale School of Eng. & Applied Science	2.2
9. Massachusetts Institute of Technology	2.2
9. Northwestern University	2.2
12. Princeton University	2.4
12. University of California, Santa Barbara	2.4
14. Brown University	2.5
14. University of Tennessee, Chattanooga	2.5
14. Howard University	2.5
14. Bucknell University	2.5
14. The George Washington University	2.5
19. University of Denver	2.6
19. West Virginia Univ. Institute of Tech.	2.6

*Minimum of 50 degrees awarded. 270 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	\$4.82
2. Wichita State University	\$2.61
3. University of Rochester	\$2.31
4. New Jersey Institute of Technology	\$1.64
5. University of Pennsylvania	\$1.63
6. The Univ. of Alabama in Huntsville	\$1.58
7. Colorado State University	\$1.51
8. California Institute of Technology	\$1.45
9. University of Southern California	\$1.43
10. Massachusetts Institute of Technology	\$1.35
11. Duke University	\$1.32
12. University of Maryland, College Park	\$1.28
13. University of Pittsburgh	\$1.26
14. University of California, Santa Barbara	\$1.23
15. University of Washington	\$1.17
16. Brown University	\$1.16
17. Vanderbilt University	\$1.15
18. North Carolina State University	\$1.13
19. The Johns Hopkins University	\$1.12
20. University of Virginia	\$1.08
21. Texas A&M University	\$1.07
22. Tufts University	\$1.06
23. University of Kentucky	\$1.06
24. Montana State University	\$1.06
25. Yale School of Eng. & Applied Science	\$1.06
26. University of California, San Diego	\$1.05
27. University of Michigan	\$1.05
28. University at Buffalo, SUNY	\$.974
29. NYU Tandon School of Engineering	\$.970
30. Iowa State University	\$.955
31. The University of Iowa	\$.934
32. University of Utah	\$.932
33. University of California, Berkeley	\$.898
34. Auburn University	\$.881
35. Princeton University	\$.881
36. Harvard University	\$.880
37. University of Nebraska, Lincoln	\$.876
38. University of Minnesota -Twin Cities	\$.876
39. The Ohio State University	\$.873
40. Brigham Young University	\$.870
41. University of California, Irvine	\$.863
42. The University of Texas at Austin	\$.863
43. Purdue University	\$.847
44. Utah State University	\$.844
45. Mississippi State University	\$.843
46. University of Colorado Boulder	\$.838
47. Univ. of Illinois at Urbana-Champaign	\$.833
48. University of Notre Dame	\$.798
49. Michigan State University	\$.795
50. Carnegie Mellon University	\$.787

*Minimum of 15 degrees awarded. 135 schools fit this criterion. Faculty refers to teaching faculty.

HIGHEST PERCENTAGE OF DOCTORAL DEGREES TO FOREIGN NATIONALS BY SCHOOL*

1. University of Nevada, Reno	89.7%
2. Illinois Institute of Technology	89.5%
3. Florida International University	88.0%
4. University of Wisconsin, Milwaukee	85.7%
5. SUNY, Binghamton	81.8%
6. The University of Texas at Dallas	80.7%
7. U. of Oklahoma, Gallogly College of Eng.	80.6%
8. Univ. of Akron, Eng. & Sci. Tech Dept.	79.6%
9. University at Buffalo, SUNY	78.9%
10. Oklahoma State University	78.6%
10. Univ. of North Carolina at Charlotte	78.6%
12. Louisiana State University	78.0%
13. University of Louisville	76.9%
14. Missouri Univ. of Science and Tech.	76.1%
15. University of Cincinnati	75.0%
16. The University of Texas at Arlington	74.7%
17. Syracuse University	74.5%
18. Arizona State University	74.4%
19. New Mexico State University	74.1%
20. University of Houston	72.9%

*Minimum of 25 degrees awarded. 123 schools fit this criterion.

LOWEST PERCENTAGE OF DOCTORAL DEGREES TO FOREIGN NATIONALS BY SCHOOL*

1. New Jersey Institute of Technology	3.0%
2. University of South Carolina	16.0%
3. The George Washington University	23.4%
4. Drexel University	31.0%
4. Vanderbilt University	31.0%
6. University of California-Santa Cruz	32.6%
7. Colorado State University	32.7%
8. University of Colorado Boulder	32.8%
9. University of California, Berkeley	34.0%
10. University of California, Santa Barbara	37.2%
11. University of Washington	38.9%
12. Colorado School of Mines	39.4%
13. The University of Texas at El Paso	40.0%
13. Tufts University	40.0%
15. Duke University	40.5%
16. Old Dominion University	42.4%
17. Harvard University	43.8%
18. Rensselaer Polytechnic Institute	45.2%
19. University of Pennsylvania	45.6%
20. Washington University in St. Louis	45.8%

*Minimum of 25 degrees awarded. 123 schools fit this criterion.

BACHELOR'S DEGREES BY DISCIPLINE 2008–2017

Bachelor's Degrees	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Aerospace Engineering	2,930	3,057	3,218	3,459	3,668	3,595	3,695	3,803	3,781	4,050
Architectural Engineering	646	723	753	743	763	660	607	568	618	614
Biological/Agricultural Eng.	623	631	719	796	871	924	1,031	1,100	1,160	1,349
Biomedical Engineering	3,237	3,644	3,670	4,066	4,374	4,709	5,119	5,683	6,177	6,725
Chemical Engineering	4,850	5,185	5,948	6,487	7,245	7,717	8,110	9,090	9,864	10,973
Civil Engineering	10,132	10,508	11,027	12,154	12,309	12,464	12,333	11,900	11,464	11,920
Civil/Environmental Eng.	464	558	591	709	751	953	881	1,000	940	1,006
Computer Engineering	3,808	3,394	3,340	3,381	3,688	3,906	4,201	4,881	5,531	6,439
Computer Science (Inside Eng.)	5,964	5,652	6,049	6,708	7,371	8,184	9,328	10,970	13,483	15,305
Electrical Engineering	10,790	9,859	9,634	9,942	10,102	10,662	11,261	11,385	11,892	12,893
Electrical/Computer Eng.	2,216	2,194	2,175	2,153	2,426	2,518	2,827	3,429	2,860	3,269
Engineering (General)	1,160	1,246	1,335	1,465	1,192	1,554	1,406	1,394	1,338	1,585
Engineering Management	331	309	336	315	434	418	436	527	506	554
Engr. Science and Engr. Physics	472	431	526	496	562	524	574	545	674	690
Environmental Engineering	486	503	587	698	905	994	1,012	1,124	1,236	1,301
Industr./Manuf./Systems Eng.	3,367	3,510	3,744	3,727	4,107	4,272	4,877	5,291	5,649	6,441
Mechanical Engineering	17,324	17,375	18,391	19,241	20,369	21,707	23,675	25,436	26,816	30,030
Metallurgical/Materials Eng.	1,095	1,035	1,152	1,161	1,280	1,415	1,440	1,671	1,858	2,033
Mining Engineering	153	190	191	213	236	231	324	335	308	295
Nuclear Engineering	415	378	414	469	565	614	584	544	521	566
Other Engineering Disciplines	3,211	3,351	3,794	3,730	3,956	4,260	4,202	4,517	4,386	4,688
Petroleum Engineering	496	654	753	888	1,002	1,079	1,250	1,465	1,659	1,751
TOTAL	74,170	74,387	78,347	83,001	88,176	93,360	99,173	106,658	112,721	124,477

ENROLLMENT BY CLASS 2008–2017

UNDERGRADUATE ENROLLMENT	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Freshmen	110,543	113,588	118,831	122,820	133,082	141,143	143,063	149,473	137,767	137,371
Sophomores	88,227	94,111	97,909	102,125	110,011	120,328	124,120	132,769	129,828	131,542
Juniors	86,835	92,758	97,519	102,102	108,862	118,600	128,228	135,804	136,396	141,865
Seniors	117,586	127,046	136,426	144,683	152,735	163,871	174,519	192,415	197,235	208,317
TOTAL FULL TIME	403,191	427,503	450,685	471,730	504,690	543,942	569,930	610,461	601,226	619,095
TOTAL PART TIME	31,828	32,085	34,903	38,470	42,724	45,644	48,781	54,450	53,619	57,294

MASTER'S DEGREES BY DISCIPLINE 2008–2017

MASTERS DEGREES	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Aerospace Engineering	1,096	1,075	1,166	1,398	1,443	1,308	1,410	1,380	1,393	1,528
Architectural Engineering	119	121	131	125	150	138	128	128	143	177
Biological/Agricultural Eng.	155	171	197	213	234	244	227	237	223	221
Biomedical Engineering	1,221	1,396	1,447	1,558	1,890	1,997	1,918	2,197	2,270	2,357
Chemical Engineering	1,051	1,084	1,162	1,354	1,440	1,456	1,545	1,716	1,788	1,844
Civil Engineering	3,437	3,659	4,088	4,739	5,002	4,778	4,958	4,897	4,818	4,977
Civil/Environmental Eng.	223	249	282	279	570	754	618	739	914	903
Computer Engineering	1,662	1,880	1,712	1,783	1,963	1,883	2,081	2,093	2,469	2,937
Computer Science (Inside Eng.)	4,924	5,373	5,230	5,497	5,756	6,182	6,325	8,359	10,038	10,602
Electrical Engineering	5,735	6,137	6,345	6,666	6,572	6,305	6,536	7,768	8,513	7,832
Electrical/Computer Eng.	3,757	3,682	3,459	3,799	3,824	3,756	4,019	4,840	5,044	5,017
Engineering (General)	612	729	745	906	666	623	645	557	472	599
Engineering Management	2,036	2,240	2,595	2,484	2,665	2,690	2,835	3,020	3,064	3,225
Engr. Science/Engr. Physics	194	170	248	216	205	209	186	220	175	168
Environmental Engineering	524	552	639	724	788	805	871	898	949	867
Industr./Manuf./Systems Eng.	2,669	2,986	2,990	3,359	3,362	3,214	3,514	3,538	4,102	4,799
Mechanical Engineering	4,647	4,757	5,066	5,915	6,237	6,261	6,529	7,169	7,821	8,262
Metallurgical/Materials. Eng.	715	771	771	852	951	1,049	1,155	1,119	1,261	1,297
Mining Engineering	54	51	29	47	49	63	49	81	72	59
Nuclear Engineering	268	264	305	324	366	375	316	359	326	260
Other Engineering Disciplines	3,655	4,063	4,152	4,320	4,852	5,011	5,407	5,594	6,237	6,156
Petroleum Engineering	232	222	264	382	387	382	418	524	504	515
TOTAL	38,986	41,632	43,023	46,940	49,372	49,483	51,690	57,433	62,596	64,602

DOCTORAL DEGREES BY DISCIPLINE 2008–2017

DOCTORAL DEGREES	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Aerospace Engineering	252	276	254	280	317	351	368	350	369	396
Architectural Engineering	11	7	7	6	8	9	15	21	53	15
Biological/Agricultural Eng.	88	80	87	114	135	131	149	128	130	126
Biomedical Engineering	662	722	733	812	843	920	954	1006	1,011	1,008
Chemical Engineering	888	836	905	863	849	866	993	1062	1,043	1,013
Civil Engineering	706	707	681	747	714	806	817	882	820	855
Civil/Environmental Eng.	100	87	92	78	115	134	174	188	252	248
Computer Engineering	216	230	248	229	248	268	211	251	275	248
Computer Science (Inside Eng.)	847	863	849	880	918	971	985	977	966	1,011
Electrical Engineering	1,006	959	992	1,030	1,126	1,129	1,152	1,105	1,111	1,094
Electrical/Computer Eng.	1,169	1,055	1,038	1,185	1,197	1,182	1,314	1,420	1,273	1,365
Engineering (General)	64	65	57	70	89	111	124	72	97	75
Engineering Management	35	44	46	43	51	74	64	74	72	77
Engr. Science/Engr. Physics	133	150	160	155	139	153	153	147	132	136
Environmental Engineering	138	143	134	154	134	156	179	186	197	187
Industr./Manuf./Systems Eng.	401	381	352	383	378	415	478	377	414	418
Mechanical Engineering	1,140	1,216	1,078	1,225	1,323	1,454	1,502	1,646	1,561	1,527
Metallurgical/Materials. Eng.	617	598	603	632	707	739	740	812	896	866
Mining Engineering	13	12	6	4	9	22	17	24	25	15
Nuclear Engineering	103	87	114	115	112	135	162	142	157	169
Other Engineering Disciplines	447	511	517	521	557	656	677	739	724	655
Petroleum Engineering	50	54	42	56	66	82	86	93	76	85
TOTAL	9,086	9,083	8,995	9,582	10,035	10,764	11,314	11,702	11,654	11,589

UNDERGRADUATE ENROLLMENT BY DISCIPLINE 2008–2017

UNDERGRAD ENROLLMENT	2008		2009		2010		2011	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	17,561	664	18,108	601	18,482	785	18,909	879
Architectural Engineering	4,033	130	3,618	179	3,677	183	3,381	161
Biological Eng. and Agricultural Eng.	3,191	78	3,778	96	3,911	127	4,291	151
Biomedical Engineering	17,798	519	19,558	504	21,166	556	23,403	664
Chemical Engineering	28,636	1,326	32,050	1,476	34,506	1,563	36,499	1,819
Civil Engineering	50,167	4,430	53,436	4,784	53,520	5,008	53,215	4,940
Civil/Environmental Engineering	2,546	247	2,929	235	3,185	302	3,163	313
Computer Science (Inside Eng.)	27,766	4,081	29,959	4,092	32,921	4,690	36,983	5,347
Electrical/Computer Engineering	73,343	8,158	75,061	7,952	77,270	8,427	80,607	8,867
Engineering (General)	22,856	1,186	22,903	1,226	25,035	1,022	27,159	1,159
Engineering Management	1,224	23	1,036	24	1,005	36	1,114	36
Engr. Science and Engr. Physics	2,643	99	2,497	84	2,618	66	2,650	96
Environmental Engineering	3,180	308	4,027	338	4,549	360	4,788	363
Industr./Manuf./Systems Eng.	13,476	1,184	14,224	1,033	14,751	1,151	15,429	1,426
Mechanical Engineering	85,249	7,089	91,856	7,082	96,164	7,687	101,476	9,016
Metallurgical and Matrls. Eng.	4,312	164	4,520	146	4,970	173	5,273	182
Mining Engineering	881	51	974	68	1,039	80	1,112	63
Nuclear Engineering	1,832	41	2,207	60	2,399	89	2,529	99
Other Engineering Disciplines	38,468	1,922	40,536	1,912	44,914	2,311	44,647	2,584
Petroleum Engineering	4,029	128	4,226	193	4,603	287	5,102	305
TOTAL	403,191	31,828	427,503	32,085	450,685	34,903	471,730	38,470

2012		2013		2014		2015		2016		2017	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
19,402	897	19,216	879	19,973	966	20,331	1,075	21,817	1,144	23,756	1,201
3,195	164	3,234	171	3,117	120	3,135	144	3,040	187	3,125	176
4,245	172	4,796	198	5,233	178	5,356	239	5,542	250	5,794	253
25,884	736	27,671	950	28,434	990	31,534	1,116	32,942	1,471	33,037	1,327
39,448	2,053	42,962	2,169	45,813	2,414	48,879	2,732	48,139	2,719	46,307	2,799
53,082	4,995	52,379	4,888	51,659	4,791	53,486	5,085	48,778	4,276	50,417	4,542
3,773	273	4,332	343	4,262	347	4,278	372	4,741	482	4,426	386
42,296	6,100	48,685	7,303	55,482	8,170	65,244	9,939	72,689	10,854	80,326	11,795
85,113	9,470	91,336	9,951	93,955	10,502	102,519	11,493	98,632	10,853	103,827	11,548
27,981	1,276	32,604	1,435	33,220	1,600	30,681	1,848	28,750	1,910	29,317	2,635
1,528	62	1,631	118	1,727	267	2,133	376	2,011	416	1,982	460
3,174	173	3,011	220	3,166	204	3,361	258	3,464	247	2,913	180
4,970	415	5,118	394	5,121	357	5,504	387	5,888	378	6,294	408
16,851	1,587	18,310	1,623	19,517	1,669	20,890	1,800	20,674	1,469	22,038	1,682
110,379	10,096	120,083	10,694	127,094	11,457	138,437	12,659	134,765	12,316	136,891	13,164
5,589	230	6,074	253	6,426	266	7,262	323	7,260	323	7,281	380
1,174	65	1,281	75	1,137	89	985	83	754	69	688	76
2,468	112	2,219	118	2,026	113	2,101	124	2,069	112	1,978	103
47,905	3,370	51,357	3,254	53,447	3,451	56,113	3,542	52,914	3,481	53,885	3,639
6,233	478	7,643	623	7,643	623	8,232	855	6,397	662	4,813	540
504,690	42,724	543,942	45,659	568,452	48,574	610,461	54,450	601,266	53,619	619,095	57,294

MASTER'S ENROLLMENT BY DISCIPLINE 2008–2017

MASTER'S ENROLLMENT	2008		2009		2010		2011	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	1,996	672	2,125	849	2,396	952	2,505	1,038
Architectural Engineering	107	30	139	21	198	29	198	55
Biological Eng. and Agricultural Eng.	395	59	438	48	464	88	461	95
Biomedical Engineering	1,890	678	1,911	693	2,265	701	2,440	717
Chemical Engineering	1,507	648	1,538	696	1,794	709	1,827	720
Civil Engineering	5,297	2,882	6,326	3,130	6,888	3,414	6,914	3,600
Civil/Environmental Engineering	421	165	479	165	491	200	549	194
Computer Science (Inside Eng.)	7,161	4,507	7,274	4,675	7,873	4,727	8,187	4,831
Electrical/Computer Engineering	17,041	8,925	17,664	9,346	16,975	9,485	16,626	8,695
Engineering (General)	798	1,232	799	1,073	798	1,433	915	1,346
Engineering Management	2,172	3,051	2,430	3,397	2,376	3,327	2,347	3,137
Engr. Science and Engr. Physics	195	106	215	94	194	131	248	106
Environmental Engineering	787	481	990	514	1,121	574	1,152	624
Industr./Manuf./Systems Eng.	4,195	2,127	4,272	2,312	4,156	2,399	3,860	2,553
Mechanical Engineering	7,857	3,735	8,511	4,220	8,856	4,582	8,632	4,693
Metallurgical and Matrls. Eng.	1,019	357	1,144	360	1,253	316	1,293	405
Mining Engineering	93	29	90	36	83	17	120	23
Nuclear Engineering	449	152	460	176	509	201	581	197
Other Engineering Disciplines	4,104	4,780	4,409	5,518	4,634	5,818	4,770	6,166
Petroleum Engineering	532	183	634	211	683	225	672	265
TOTAL	58,016	34,799	61,848	37,534	64,007	39,328	64,297	39,460

2012		2013		2014		2015		2016		2017	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
2,341	937	2,239	953	2,381	1,016	2,356	1,125	2,188	1,094	2,310	1,152
231	73	229	61	206	50	157	55	140	126	135	31
415	109	394	97	423	74	398	101	366	91	365	87
2,398	796	2,545	756	2854	800	2,986	784	3,076	772	3,275	800
1,824	643	2,099	681	2,176	755	2,466	888	2,375	745	2,418	783
6,790	3,526	6,854	3,415	7,067	3375	7,034	3,521	6,647	3,289	6,506	3,256
896	366	940	447	924	310	915	343	1,320	497	1,411	379
8,778	4,652	10942	4822	13,652	5,300	15,005	5,620	15,622	5,493	16,189	6,230
17,392	8,292	20463	8070	23,652	8,641	24,279	9,204	21,223	8,445	20,564	7,945
733	895	1,009	717	947	641	764	618	659	593	639	585
2,678	2,934	2,865	2,908	3,071	3,226	3,579	3,422	3,357	3,231	3,257	3,488
206	98	199	80	190	68	216	90	136	57	186	80
1,189	668	1,235	687	1,147	686	1,200	652	1,194	648	1,351	634
4,053	2,603	4389	2831	5,012	2,577	5,753	2,785	5,827	2,810	6,168	3,594
8,690	4,691	9,669	4,720	10,848	4,836	11,701	5,061	11,633	5,296	11,096	5,157
1,326	448	1,389	456	1,488	521	1,679	589	1,818	587	1,889	635
101	62	124	33	150	57	129	56	93	50	79	46
463	241	424	170	437	193	423	178	335	169	360	120
5,155	6,655	5538	5998	5,989	5,634	7,214	6,377	8,041	6,052	8,056	6,818
763	260	823	363	945	380	798	398	722	342	618	317
66,422	38,949	74,369	38,265	83,559	39,140	89,052	41,867	86,772	40,387	86,872	42,137

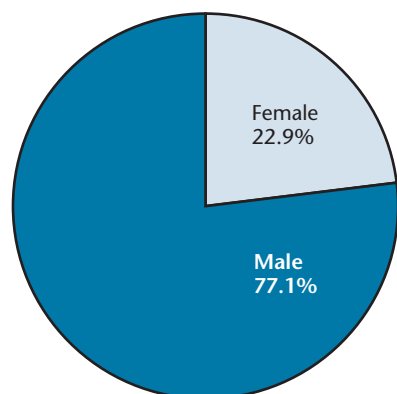
DOCTORAL ENROLLMENT BY DISCIPLINE 2008–2017

DOCTORAL ENROLLMENT	2008		2009		2010		2011	
	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
Aerospace Engineering	1,520	183	1,711	202	1,797	199	1,863	206
Architectural Engineering	34	2	49	4	52	3	65	3
Biological Eng. and Agricultural Eng.	526	63	591	64	641	87	617	93
Biomedical Engineering	4,518	376	4,863	426	5,183	418	5,397	452
Chemical Engineering	4,865	289	5,142	333	5,277	348	5,492	340
Civil Engineering	3,587	592	3,961	664	4,302	730	4,458	630
Civil/Environmental Engineering	375	122	383	126	382	119	541	131
Computer Science (Inside Eng.)	5,527	781	5,855	906	6,084	947	6,515	996
Electrical/Computer Engineering	13,519	1,862	14,506	1,934	14,964	2,078	15,012	2,042
Engineering (General)	370	150	413	158	540	93	581	131
Engineering Management	95	162	112	225	138	228	133	249
Engr. Science and Engr. Physics	926	55	896	66	905	46	912	54
Environmental Engineering	706	122	779	105	849	115	868	96
Industr./Manuf./Systems Eng.	1,965	467	2,253	504	2,326	555	2,320	574
Mechanical Engineering	6,454	819	7,183	893	7,767	907	8,085	973
Metallurgical and Matrls. Eng.	3,419	248	3,597	218	3,733	208	4,016	233
Mining Engineering	64	13	71	12	52	8	92	15
Nuclear Engineering	623	44	660	45	758	47	738	72
Other Engineering Disciplines	2,982	656	3,058	641	3,341	677	3,593	685
Petroleum Engineering	289	80	364	40	413	52	464	59
TOTAL	52,364	7,086	56,447	7,566	59,504	7,865	61,762	8,034

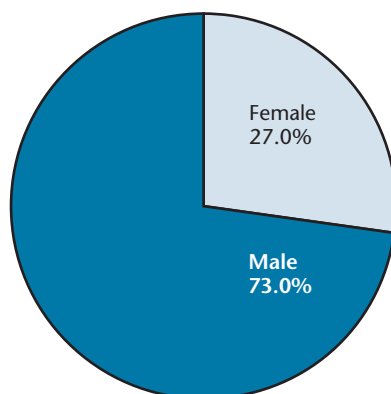
2012		2013		2014		2015		2016		2017	
Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
1,819	229	1,896	219	2,008	194	2,295	242	2,247	227	2,332	249
69	4	80	4	80	4	92	5	71	4	91	7
664	111	675	92	622	96	730	101	667	91	672	87
5,852	533	6,071	462	5,810	493	5,737	548	5,854	487	6,130	597
5,743	360	5,866	317	5,514	347	5,874	341	5,921	309	6,065	352
4,588	704	4,777	589	4,312	551	4,804	594	4,708	571	4,487	592
666	171	739	199	951	197	1,001	225	1,364	227	1,341	245
6,520	1,079	6,335	1,002	6,410	959	6,704	982	6,764	977	7,162	1,060
15,308	2,140	15,729	2,176	14,744	1,940	16,014	2,065	16,148	2,000	16,871	1,990
569	122	537	117	540	114	523	108	590	162	567	65
122	300	151	294	158	298	250	357	268	418	130	404
947	53	928	40	876	50	876	40	852	35	842	44
933	88	919	114	945	89	883	87	975	86	1,018	80
2,190	533	2,233	509	2,139	537	2,238	556	2,089	590	2,435	604
8,256	1,058	8,557	1,059	8,126	1,015	8,929	1,072	9,367	1,072	9,639	1,100
4,241	259	4,424	245	4,143	245	4,730	270	4,484	265	4,734	264
92	25	95	21	86	29	89	20	87	20	71	18
831	84	860	75	829	83	951	76	989	71	1,016	74
3,753	753	3,871	772	3,815	699	4,104	826	4,120	765	3,835	659
411	65	425	56	479	58	531	65	588	59	588	73
63,574	8,671	65,168	8,362	62,587	7,998	67,355	8,580	68,153	8,436	70,026	8,564

ENROLLMENT BY GENDER

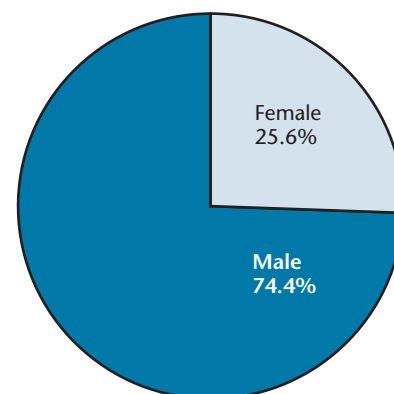
BACHELOR'S



MASTER'S

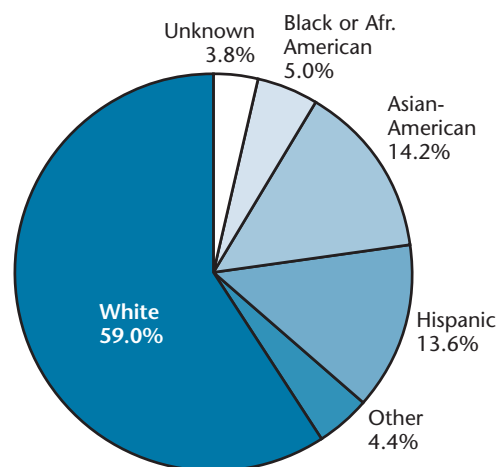


DOCTORAL

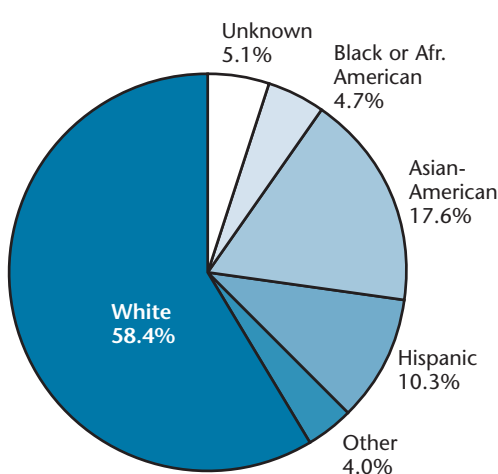


ENROLLMENT BY ETHNICITY*

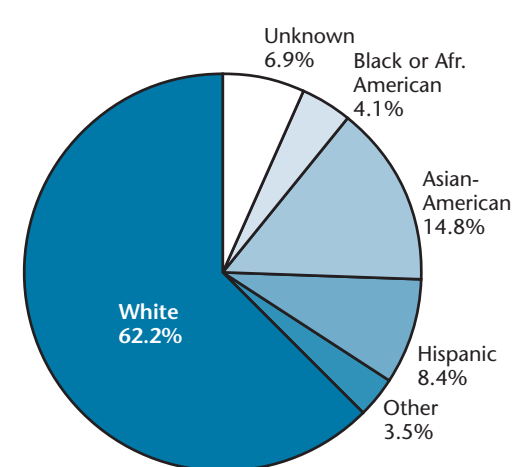
BACHELOR'S



MASTER'S



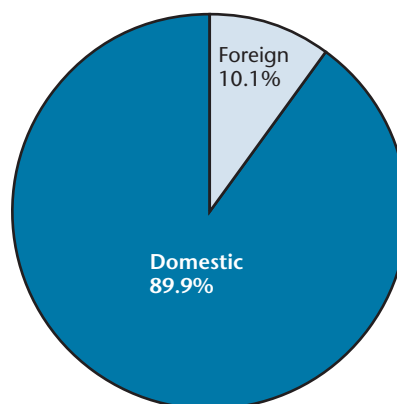
DOCTORAL



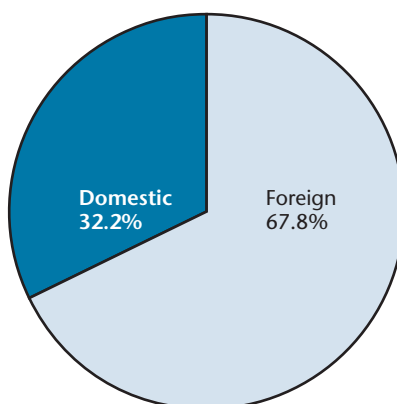
*Calculations for enrollment by ethnicity do not include foreign nationals.

ENROLLMENT BY RESIDENCY

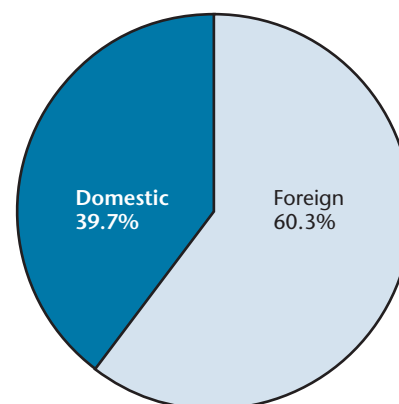
BACHELOR'S



MASTER'S



DOCTORAL



BACHELOR'S TOTAL*
619,095

MASTER'S TOTAL
86,872

DOCTORAL TOTAL
70,026

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

Forty-four Canadian institutions are currently accredited by the Canadian Engineering Accreditation Board. Ten of those institutions participated in the 2017 ASEE Survey of Engineering & Engineering Technology 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 similar.

ENGINEERING BACHELOR'S DEGREES AWARDED BY SCHOOL

1. University of Waterloo	1,207
2. University of Toronto	1,123
3. University of Alberta	827
4. University of British Columbia	778
5. Ecole Polytechnique de Montreal	739
6. McMaster University	722
7. University of Calgary	637
8. Univ. of Ottawa, Faculty of Engineering	509
9. Concordia University, Montreal	493
10. The University of Western Ontario	367

ENGINEERING MASTER'S DEGREES AWARDED BY SCHOOL

1. Concordia University, Montreal	789
2. University of Toronto	708
3. Univ. of Ottawa, Faculty of Engineering	473
4. University of Waterloo	450
5. Ecole Polytechnique de Montreal	291
6. The University of Western Ontario	279
7. University of British Columbia	257
8. University of Calgary	220
9. University of Alberta	210
10. McMaster University	202

ENGINEERING DOCTORAL DEGREES AWARDED BY SCHOOL

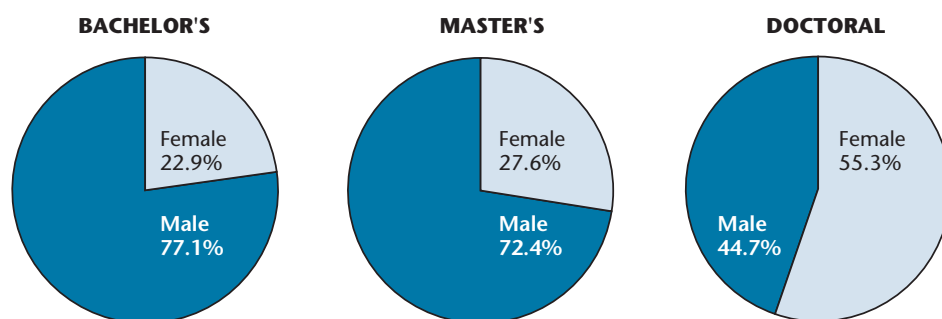
1. University of Toronto	150
2. University of Waterloo	127
3. University of Alberta	124
4. Ecole Polytechnique de Montreal	79
5. McMaster University	77
6. Univ. of Ottawa, Faculty of Engineering	73
7. Concordia University, Montreal	69
8. University of Calgary	69
9. The University of Western Ontario	61
10. University of British Columbia	49

RESEARCH EXPENDITURES BY SCHOOL

(IN MILLIONS)

1. University of Alberta	\$63.8
2. University of British Columbia	\$39
3. University of Calgary	\$28.2
4. Univ. of Ottawa, Faculty of Engineering	\$14.8
5. Concordia University, Montreal	\$14.6
6. The University of Western Ontario	\$14.2

ENGINEERING DEGREES AWARDED BY GENDER



TENURED/TENURE-TRACK FACULTY MEMBERS BY SCHOOL

1. University of Waterloo	267
2. University of Toronto	234
3. Ecole Polytechnique de Montreal	230
4. University of Alberta	205
5. Concordia University, Montreal	199
6. University of British Columbia	173
7. University of Calgary	159
8. McMaster University	144
9. Univ. of Ottawa Faculty of Engineering	117
10. The University of Western Ontario	99

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

