

# GENDER & ETHNIC DIVERSITY

Among engineering faculty, it's at the assistant professor level where the largest proportion of women and underrepresented minorities can be found. Depending on the discipline, women represent between 15 and 38.5 percent of engineering assistant professors, based on data submitted to ASEE in 2013. Of 22 disciplines, 15 are majority white, with Asian Americans the second-largest group in all but one, where they are the largest. The five engineering disciplines with the highest proportion of women assistant professors are management, environ-

mental, biological and agricultural, biomedical, and chemical. The five with the lowest proportion of women are petroleum, electrical/computer, nuclear, engineering science and engineering physics, and aerospace. The five most ethnically diverse disciplines are mining, civil and environmental; computer; electrical; and the combined industrial, manufacturing, and computer science and engineering. The five least ethnically diverse are architectural, nuclear, engineering science and engineering physics, management, and petroleum.

## PROPORTION OF FEMALE ASSISTANT PROFESSORS BY DISCIPLINE (2013)

Rank	Discipline	% Female	Rank	Discipline	% Female
1	Engineering Management	38.5	12	Civil Engineering	23.7
2	Environmental Engineering	38.2	13	Architectural Engineering	23.3
3	Biological Engr. and Agricultural Engr.	34.1	14	Computer Science (inside engineering)	20.6
4	Biomedical Engineering	30.7	15	Electrical Engineering	19.9
5	Chemical Engineering	29.2	16	Computer Engineering	19.4
6	Civil/Environmental Engineering	27.6	17	Mechanical Engineering	19.2
7	Industrial/Manufacturing/Systems Engineering	26.4	18	Aerospace Engineering	18.3
8	Mining Engineering	26.3	19	Engr. Science and Engr. Physics	18.2
9	Metallurgical and Materials Engineering	25.7	20	Nuclear Engineering	18.2
10	Other Engineering Disciplines	24.1	21	Electrical/Computer Engineering	17.2
11	Engineering (General)	23.9	22	Petroleum Engineering	15.0
			TOTAL (N = 1,277)		23

Rank	Discipline	Native Hawaiian	Caucasian	African American	Asian American	Hispanic	Native American	Two or More	Unknown
1	Mining Engineering	0.0%	42.1%	5.3%	26.3%	10.5%	0.0%	0.0%	15.8%
2	Civil/Environmental Engineering	0.6%	44.8%	2.9%	24.1%	6.3%	0.0%	0.6%	20.7%
3	Computer Engineering	0.0%	35.5%	4.8%	38.7%	1.6%	0.0%	0.0%	19.4%
4	Electrical Engineering	0.0%	45.3%	4.2%	30.7%	5.2%	0.0%	1.4%	13.2%
5	Industrial/Manufacturing/Systems Engineering	0.0%	41.3%	2.6%	36.6%	7.2%	0.0%	0.0%	12.3%
6	Computer Science (inside engineering)	0.0%	46.5%	4.2%	33.5%	1.7%	0.4%	0.6%	13.1%
7	Environmental Engineering	0.0%	50.0%	0.0%	20.6%	2.9%	2.9%	0.0%	23.5%
8	Chemical Engineering	1.3%	52.6%	3.2%	26.0%	4.9%	0.4%	0.8%	10.8%
9	Civil Engineering	0.2%	52.8%	3.7%	25.6%	5.2%	0.2%	0.7%	11.7%
10	Electrical/Computer Engineering	0.4%	46.7%	2.3%	36.5%	2.3%	0.0%	0.6%	11.1%
11	Biomedical Engineering	0.3%	50.9%	3.1%	30.4%	3.3%	0.3%	0.8%	11.0%
12	Mechanical Engineering	0.2%	51.9%	3.7%	29.1%	2.2%	0.1%	0.9%	12.0%
13	Other Engineering Disciplines	0.0%	57.9%	1.8%	20.3%	4.1%	0.5%	2.3%	13.2%
14	Metallurgical and Materials Engineering	0.0%	56.9%	5.6%	27.1%	2.8%	0.0%	2.8%	4.9%
15	Engineering (General)	0.9%	58.7%	4.6%	21.1%	11.0%	0.0%	0.0%	3.7%
16	Aerospace Engineering	0.0%	57.5%	2.0%	25.5%	4.6%	0.0%	0.7%	9.8%
17	Biological Engr. and Agricultural Engr.	0.0%	54.9%	4.9%	32.9%	2.4%	0.0%	2.4%	2.4%
18	Petroleum Engineering	0.0%	60.0%	2.5%	15.0%	5.0%	0.0%	0.0%	17.5%
19	Engineering Management	0.0%	61.5%	7.7%	15.4%	3.8%	0.0%	0.0%	11.5%
20	Engr. Science and Engr. Physics	0.0%	63.6%	3.6%	20.0%	0.0%	0.0%	0.0%	12.7%
21	Nuclear Engineering	0.0%	72.7%	0.0%	3.0%	0.0%	0.0%	0.0%	24.2%
22	Architectural Engineering	0.0%	76.7%	0.0%	13.3%	6.7%	0.0%	3.3%	0.0%
	Total (N = 5,585)	0.3%	51.1%	3.3%	28.7%	3.7%	0.2%	0.9%	11.9%