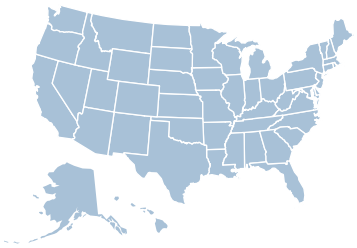
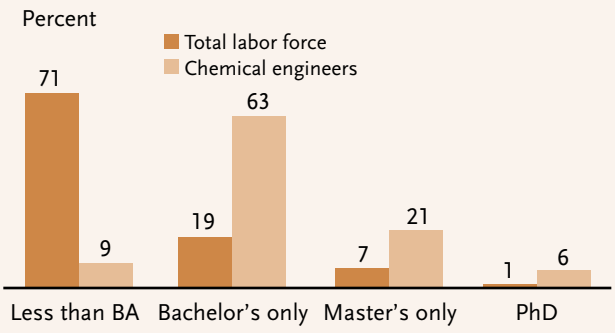


November 2008 PRB

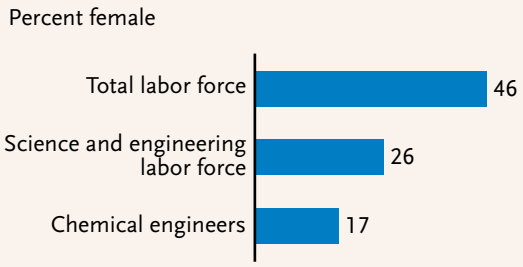
Chemical Engineers
in the United States, 2007

This profile summarizes the demographic, social, and economic characteristics of the 59,000 Chemical Engineers in the United States. In 2007, the unemployment rate for Chemical Engineers was 1% and median earnings were $84,000.

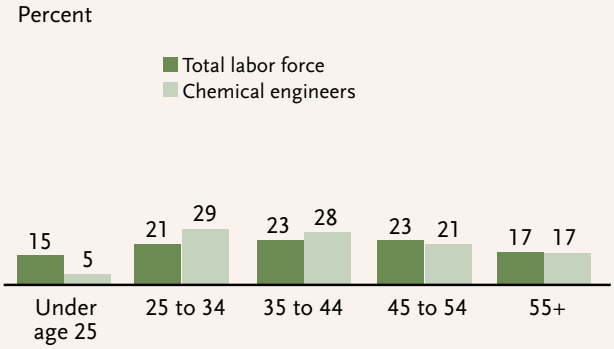
Educational Attainment, 2007



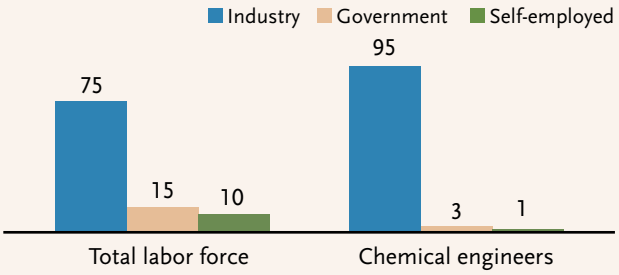
Female Labor Force Participation, 2007



Age Distribution, 2007



Class of Worker, 2007



Race/Ethnic Composition, 2007

	Chemical engineers (%)	Total labor force (%)
White*	73	68
African American*	7	11
American Indian*	0	1
Asian*	13	5
Other race*	1	1
Hispanic	5	14
Foreign-born	20	16

*Non-Hispanic

Labor Force Trends, 2005-2007

	2005	2007	Percent change
All science and engineering occupations			
Size of labor force	7,362,000	7,553,000	2.6*
Median earnings	$62,000	$61,000	-1.6
Chemical engineers			
Size of labor force	61,000	59,000	-3.3
Median earnings	$81,000	$84,000	3.7

*Statistically significant change.

Science and Engineering Occupations in the United States, Ranked by 2007 Earnings

	Labor force (margin of error)	Median earnings (margin of error)
Petroleum, mining and geological engineers	26,000 (+/-4,000)	92,000 (+/-6,000)
Actuaries	21,000 (+/-4,000)	86,000 (+/-6,000)
Economists	26,000 (+/-4,000)	86,000 (+/-6,000)
Chemical engineers	59,000 (+/-6,000)	84,000 (+/-4,000)
Astronomers and physicists	14,000 (+/-3,000)	83,000 (+/-8,000)
Aerospace engineers	137,000 (+/-10,000)	81,000 (+/-2,000)
Computer software engineers	794,000 (+/-23,000)	81,000 (+/-500)
Miscellaneous engineers, incl. nuclear engineers	456,000 (+/-18,000)	79,000 (+/-2,000)
Electrical and electronic engineers	234,000 (+/-13,000)	77,000 (+/-2,000)
Computer hardware engineers	65,000 (+/-7,000)	75,000 (+/-3,000)
Marine engineers and naval architects	13,000 (+/-3,000)	74,000 (+/-3,000)
Biomedical and agricultural engineers	14,000 (+/-3,000)	73,000 (+/- 4,000)
Civil engineers	318,000 (+/-15,000)	71,000 (+/-2,000)
Environmental engineers	32,000 (+/-5,000)	71,000 (+/-3,000)
Mechanical engineers	238,000 (+/-13,000)	71,000 (+/-1,000)
Atmospheric and space scientists	10,000 (+/-3,000)	69,000 (+/-10,000)
Materials engineers	31,000 (+/-5,000)	69,000 (+/-3,000)
Database administrators	100,000 (+/-8,000)	68,000 (+/-2,000)
Computer programmers	529,000 (+/-19,000)	66,000 (+/-1,000)
Industrial engineers	171,000 (+/-11,000)	66,000 (+/-2,000)
Mathematicians and statisticians	40,000 (+/-5,000)	66,000 (+/-3,000)
Operations research analysts	112,000 (+/-9,000)	66,000 (+/-3,000)
Physical scientists, all other	140,000 (+/-10,000)	66,000 (+/-1,000)
Medical scientists	101,000 (+/-8,000)	63,000 (+/-3,000)
Architects	200,000 (+/-12,000)	61,000 (+/-2,000)
Chemists and materials scientists	95,000 (+/-8,000)	61,000 (+/-2,000)
Computer scientists and systems analysts	781,000 (+/-23,000)	61,000 (+/-500)
Environmental scientists and geoscientists	76,000 (+/-7,000)	61,000 (+/-1,000)
Network and computer systems administrators	234,000 (+/-13,000)	60,000 (+/-2,000)
Market and survey researchers	165,000 (+/-11,000)	55,000 (+/-3,000)
Urban and regional planners	24,000 (+/-4,000)	55,000 (+/-2,000)
Network systems and data communications analysts	353,000 (+/-16,000)	54,000 (+/-2,000)
Agricultural and food scientists	25,000 (+/-4,000)	51,000 (+/-3,000)
Psychologists	173,000 (+/-11,000)	51,000 (+/-1,000)
Conservation scientists and foresters	27,000 (+/-4,000)	50,000 (+/-2,000)
Geological and petroleum technicians	18,000 (+/-4,000)	50,000 (+/-5,000)
Biological scientists	91,000 (+/-8,000)	49,000 (+/-2,000)
Surveyors, cartographers, and photogrammetrists	44,000 (+/-6,000)	49,000 (+/-2,000)
Engineering technicians	442,000 (+/-17,000)	46,000 (+/-500)
Computer support specialists	466,000 (+/-18,000)	44,000 (+/-1,000)
Chemical technicians	75,000 (+/-7,000)	43,000 (+/-2,000)
Social scientists	45,000 (+/-6,000)	43,000 (+/-3,000)
Drafters	219,000 (+/-12,000)	41,000 (+/-2,000)
Biological technicians	21,000 (+/-4,000)	39,000 (+/-4,000)
Surveying and mapping technicians	93,000 (+/-8,000)	36,000 (+/-1,000)
Agricultural and food science technicians	27,000 (+/-4,000)	33,000 (+/-2,000)
Life, physical, and social science technicians	174,000 (+/-11,000)	28,000 (+/-1,000)

Sources and Notes

Source: Population Reference Bureau analysis of the 2005 and 2007 American Community Survey (ACS) Public Use Microdata Samples. The ACS, conducted by the U.S. Census Bureau, is a nationwide annual survey designed to provide communities with reliable and timely demographic, housing, social, and economic data each year. For more information about the ACS, see www.census.gov/acs.

Notes: The science and engineering labor force includes people employed or unemployed (based on their last job) in information technology, engineering, architecture, life sciences, physicial sciences, or social sciences. ACS estimates are based on a survey of the population and are subject to both sampling and nonsampling error.

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