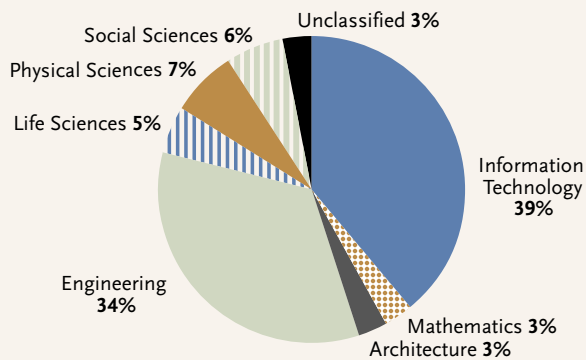


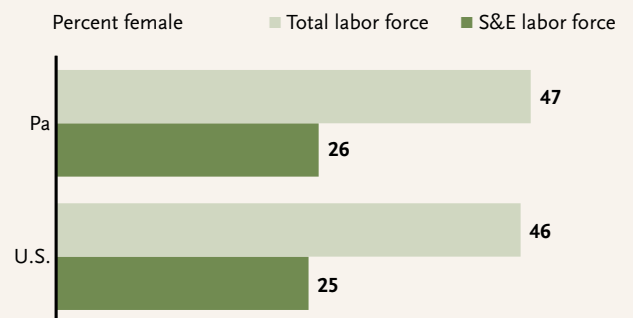
Scientists and Engineers in **Pennsylvania**, 2005

This profile summarizes the demographic, social, and economic characteristics of the 294,920 people in Pennsylvania's science and engineering (S&E) labor force. In 2005, the unemployment rate for Pennsylvania's S&E labor force was 3% and median earnings were \$55,310. Pennsylvania ranked number 15 out of 50 states and DC in the share of people working in S&E occupations.

S&E Occupations in Pennsylvania



Percent of Total and S&E Labor Force That is Female



Share of labor force in S&E occupations

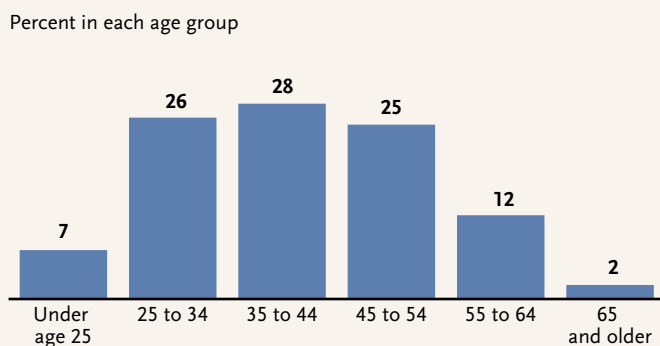
(Top States)	Percent
United States	5
1. District of Columbia	9
2. Maryland	8
3. Colorado	7
3. Massachusetts	7
3. Virginia	7
3. Washington	7
15. Pennsylvania	5

Racial/Ethnic Composition and Nativity Status of the Labor Force in S&E Occupations

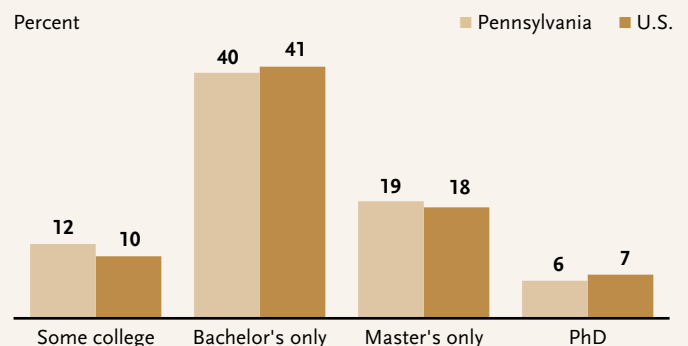
	Pennsylvania (%)	U.S. (%)
White*	85	74
African American*	5	6
American Indian*	0	0
Asian*	8	13
Other Race*	0	0
Two or More Races*	0	1
Hispanic	2	6
Foreign-born	12	19

*Non-Hispanic

Age Distribution of the S&E Labor Force in Pennsylvania



Educational Attainment of the S&E Labor Force

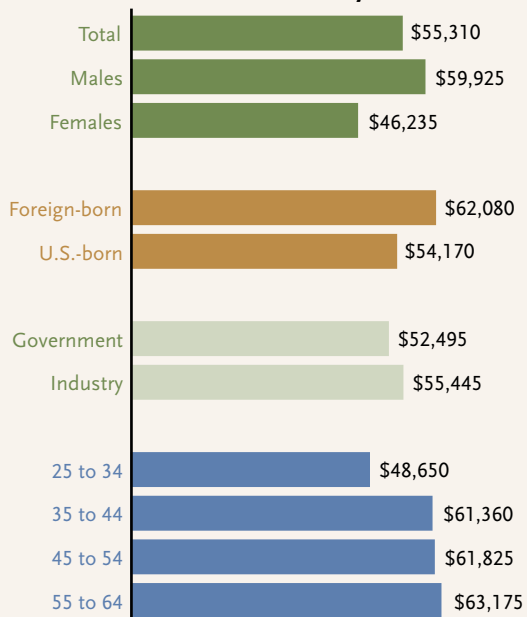


In 2005, IT workers accounted for the largest share of Pennsylvania's S&E labor force (40%). Median earnings for IT workers in Pennsylvania were \$57,485, compared with \$60,470 for IT workers nationwide. 16% of Pennsylvania's IT workers were racial or ethnic minorities.

	Total	Information Technology	Mathematics	Architecture	Engineering	Life Sciences	Physical Sciences	Social Sciences
S&E Labor Force	294,920	117,835	7,510	9,770	100,650	14,975	20,320	16,240
Percent	100%	40%	3%	3%	34%	5%	7%	6%
Highest Degree								
Bachelor's	40%	44%	—	—	39%	—	—	—
Master's	19%	17%	—	—	15%	—	21%	—
PhD	6%	2%	9%	7%	3%	—	22%	—
Percent Female	26%	26%	—	—	11%	—	35%	—
Percent Minority*	15%	16%	10%	11%	10%	25%	21%	15%
Percent Foreign-born	12%	13%	8%	—	8%	—	19%	8%

* includes all those who are not non-Hispanic white, including Asian Americans.

Median earnings of the S&E Labor Force in Pennsylvania



Median S&E Earnings By Highest Degree

	Pennsylvania	U.S.
Total	\$55,310	\$58,760
Associate	\$46,825	\$49,880
Bachelor's	\$59,840	\$61,690
Master's	\$67,195	\$71,375
PhD	\$69,920	\$75,345

Median S&E Earnings By Occupation

	Pennsylvania	U.S.
Total	\$55,310	\$58,760
Information Technology	\$57,485	\$60,470
Mathematics	\$61,925	\$63,825
Architecture	\$48,725	\$52,035
Engineering	\$57,205	\$60,890
Life Sciences	\$44,655	\$45,025
Physical Sciences	\$54,405	\$52,495
Social Sciences	\$45,940	\$51,700

Sources and Notes

Source: Population Reference Bureau analysis of the 2005 American Community Survey (ACS) Public Use Microdata Samples. The American Community Survey (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/www/index.html.

Notes: The S&E labor force includes people employed or unemployed (based on their last job) in information technology, engineering, architecture, life sciences, physical sciences, or social sciences. ACS estimates are based on a survey of the population and are subject to both sampling and nonsampling error. An "N/A" or "—" indicates that the sample size was too small to produce a reliable estimate.

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